MONMOUTH COLLEGE CATALOG

SPECIAL EDITION

1962-1963

MONMOUTH COLLEGE BULLETIN • MONMOUTH, ILLINOIS

FOR FURTHER INFORMATION

This catalog is designed to provide information about Monmouth College and its curriculum. If further information is needed, inquiries may be addressed to the appropriate office at Monmouth College, Monmouth, Illinois, as follows:

Admissions Procedures, Financial Aid and Publications for Prospective Students ..... Director of Admissions

General Affairs of the College .. Office of the President

Faculty Appointments, Academic Matters and Public Events ..... Academic Dean

Business Affairs ..... Business Manager

Transcripts of Records ..... Registrar

Prospective students and their parents are invited to visit the campus whenever they find it convenient.

The following off-campus admissions representatives may also be contacted for additional information:

CHICAGO
Robert H. Riggle
2036 South Fifth Avenue
Maywood, Illinois
Telephone: 333-7794

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MONMOUTH COLLEGE BULLETIN
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Monmouth College Catalog
1962-63

SPECIAL EDITION

With the academic year 1962-63, Monmouth College begins its new educational program structured around the three-term, three-course curriculum. This special edition contains information concerning the new curriculum. The regular catalog is published biennially in July.

March, 1962
Monmouth, Illinois

College Calendar
1962-63

1962

Sept. 19 — Wednesday ....Faculty Conference
Sept. 20 — Thursday .....Faculty Conference
Sept. 22 — Saturday .....Dormitories open to new students. All new students must report by 5 p. m.
Sept. 23 — Sunday .....Program for freshman and other new students.
Sept. 26 — Wednesday ....Upperclass registration and payment of accounts.
Sept. 27 — Thursday .....Freshman registration and payment of accounts.
Sept. 28 — Friday .....First term classes begin (8 a. m.)
Oct. 13 — Saturday .....Homecoming
Nov. 3 — Saturday .....Parents' Day
Nov. 21 — Wednesday .....Thanksgiving recess begins (12 noon)
Nov. 26 — Monday .....Thanksgiving recess ends (8 a. m.)
Dec. 10 — Monday .....First term classes end (5 p. m.)
Dec. 11 — Tuesday .....Reading period
Dec. 12 — Wednesday .....First term examinations begin
Dec. 15 — Saturday .....First term examinations end (5 p. m.)

1963

Jan. 2 — Wednesday ....Second term classes begin (8 a. m.)
Mar. 11 — Monday .....Second term classes end (5 p. m.)
Mar. 12 — Tuesday .....Reading period
Mar. 13 — Wednesday ....Second term examinations begin
Mar. 16 — Saturday .....Second term examinations end (5 p. m.)
Mar. 26 — Tuesday .....Third term classes begin (8 a. m.)
June 3 — Monday .....Third term classes end (5 p. m.)
June 4 — Tuesday .....Reading period
June 5 — Wednesday ....Third term examinations begin
June 7 — Friday .....Third term examinations end (5 p. m.)
June 8 — Saturday .....Alumni Day
June 9 — Sunday .....Baccalaureate
June 10 — Monday .....Commencement

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General Statement

Monmouth College is a fully-accredited, four-year liberal arts college. It was founded in 1853 by Presbyterians of Scottish descent and is affiliated with the United Presbyterian Church, U. S. A. Monmouth shows its heritage by using the kilted Scotsman as its school symbol.

The 30-acre, wooded campus is in the eastern portion of Monmouth, Illinois, a city of 10,000. The college buildings, in the Georgian style of architecture, are within a few minutes' walking distance of any point on campus. The city is 200 miles southwest of Chicago, and easily accessible from all directions.

Transportation is provided by the main line of the Burlington railroad, two bus lines and air travel to within 10 miles. U. S. Highways 34 and 67 intersect in the heart of Monmouth. Private planes may use the Monmouth airfield.

Monmouth is a member of the American Association of University Women, Associated Colleges of the Midwest, Associated Colleges of Illinois, Association of American Colleges, Association of American Universities, Midwest Athletic Conference and the Midwest College Council. It is accredited by the North Central Association and the American Chemical Society.

The fraternity system is active on the campus and there are eight national organizations and one local fraternity which maintain chapters at Monmouth. The first sorority in the United States, Pi Beta Phi, was founded here in 1867. This sorority and Kappa Kappa Gamma sorority have their Alpha chapters at the college.

All out-of-town students at Monmouth live in college residence halls, fraternity houses or approved private homes. There are five residence halls, three for women and two for men. Each hall is supervised by the college administration.

College-sponsored activities include debate, dramatics, intercollegiate and intramural sports, journalism, music and religious groups and several departmental extra-curricular clubs. There are 15 honorary fraternities with chapters on the campus. The well-developed social program includes lectures, concerts, formal dances, informal open houses, receptions, teas and other events.

The counseling program provides a faculty counselor for each student, to aid in the important tasks of selecting a curriculum and a career. After graduation, the college placement office assists students in finding employment.

The Academic Program

The Monmouth College faculty has adopted a new curriculum for the college effective September, 1962. Under this new educational program, the nine-month academic year will be divided into three terms of approximately 10 weeks each.

Normally, students will register for three full term courses each term for a total of nine term courses during the academic year. Thirty-six term courses are required for graduation. Freshman and sophomores are required to take physical education each term without credit toward graduation.

A full term course will normally meet four times weekly for 50-minute periods, exclusive of laboratory sessions. All courses are regarded as term courses with the exception of fractional courses in studio art, applied music and dramatics.

Students may register for 10 courses during the regular academic year with the approval of their academic adviser. In this case students are permitted to register for a fourth (full) course during one term of the academic year if no fractional courses are taken.

Students who achieve a 3.0 (B) or better grade average during the preceding two terms may register for more than 10 courses during an academic year with the permission of the academic dean and their academic adviser. In no case is a student permitted to register for more than four courses during any term.

For graduation a student must attain or surpass a grade-point average of 2.0 (C).

To qualify for the degree of Bachelor of Arts a candidate must meet certain specifications in quantity, quality, distribution, field of concentration, independent reading, and in the senior comprehensive examination.

The educational policy behind this shift in the academic program involves increased emphasis on learning, self-education, reducing the fragmentation of student attention and more independent study.

GRADUATION REQUIREMENTS

I. Credit in a total of 36 term courses.

II. A grade-point average of 2.0 (C) or better in all courses.

III. Distribution of 14 term courses in specified divisions and completion of six terms of satisfactory work in physical education.

IV. A field of concentration consisting of either (1) a departmental major presenting a minimum of seven term courses from the major department and a minimum of five term courses in related fields chosen from those specified by the major department: or (2) a topical major of at least 12 term courses approved by the curriculum committee. All courses in the field of concentration require a grade-point average of 2.5 or better.

V. A passing grade in the senior comprehensive examination.

VI. Satisfactory completion of a program of independent reading including a general reading and comprehensive reading program.

VII. The senior year must be spent in residence at Monmouth College.

(No exceptions to these regulations will be made unless authorized by the faculty.)

Distribution Requirements

The distribution requirements are intended to help the student attain a broad and comprehensive acquaintance with the basic characteristics of the world in which we live. These requirements are intended to help the student attain familiarity with the tools of the intellect including (1) the experimental methods, (2) the method of empirical generalization, (3) language and (4) the method of formal analysis. Distribution requirements should be fulfilled within the first two years, if possible.

Students may satisfy any of these requirements by passing an examination sufficiently comprehensive to test their knowledge of the work presented in the required course or courses.

DIVISION I
HUMANITIES

Art or Music: One term course

English: Two term courses

English (literature), History or Philosophy: Two term courses chosen from separate fields

Foreign Language: Two term courses (beyond 101 and 102)

Religion or Bible: One term course

Speech: One term course

DIVISION II
SOCIAL SCIENCES

Two term courses in separate fields chosen from the departments of economics, government, psychology or sociology.

DIVISION III
NATURAL SCIENCES AND MATHEMATICS

Three term courses chosen from the departments of biology, chemistry, geology, physics, or mathematics, including a sequence of two term courses in a laboratory science.

DIVISION IV
PHYSICAL EDUCATION

Freshmen and sophomores are required to complete six terms of satisfactory work in physical education unless excused by the director of the college health service for medical reasons. A proficiency rating for each term course will be given.

Field of Concentration

A field of concentration shall consist of (1) a departmental major and related courses or (2) a topical major. All courses in the field of concentration shall be of grade-point 2.0 or better and the grade-point average must be 2.5 or better.

DEPARTMENTAL MAJOR

A departmental major shall consist of at least seven term courses chosen from the major department and at least five term courses or related courses chosen from those specified by the major department. The work in the field of concentration during the junior and senior years shall include some form of individualized study. Each student must give positive evidence of his competence in his field of concentration by means of a comprehensive examination.

TOPICAL MAJOR

A topical major shall consist of at least 12 term courses chosen from different departments as a group of studies linked together by a special theme or field of interest. The program for the topical major must be approved by the curriculum committee and shall be under the direction of an adviser appointed by that committee. The work in the field of concentration during the junior and senior years shall include some form of individualized study. Each student must give positive evidence of competence in his field of concentration by means of a comprehensive examination.

SENIOR COMPREHENSIVE EXAMINATION

A comprehensive examination in the field of concentration is required of each candidate for the degree. This examination will be in three parts:

1. The Graduate Record examination, to be taken during the senior year.
2. A written essay examination of four hours, consisting either of one four-hour paper or two two-hour papers on questions which require a comprehensive grasp of the problems of the field and a broad acquaintance with its literature.
3. An oral examination (where not more than three candidates will be examined at one time) by a committee composed of one representative of the candidate's major field, one representative of his related field, and one to be nominated by the candidate from a department outside the field of concentration.

The second and third parts of the examination must be taken during the last two terms of the candidate's residence as a regular student. The examination will be judged as a whole, and will be graded Honor, Pass or Fail. A grade of Pass is required for graduation; a grade of Honor is required for honors at graduation. A candidate who fails the examination may apply for one re-examination, but a second failure will be final.

INDEPENDENT READING

All students are required to pursue a program of independent reading during their period of enrollment at Monmouth College. The reading program

is divided into two parts; part one, entitled general reading, covers the freshman and sophomore years; part two, entitled comprehensive reading, covers the junior and senior years.

General Reading Program

The general reading program envisages a lively acquaintance with and understanding of broadly-selected writings which are of great worth and significance to the educated person and his world.

The general reading program is administered by the general reading program committee of the faculty. This committee will ascertain from every faculty-member those books which are worthy of inclusion in the general reading list. The committee will then determine what writings shall be included in the program. Each year review and revision, if required, shall be made by the faculty committee. The student will be encouraged to begin his reading immediately upon acceptance as a student of the college and to continue the reading throughout the freshman and sophomore years, giving particular attention to the reading during vacation periods.

Students will be required to give evidence of an adequate acquaintance with a selected portion of the general reading list in the beginning of the first term of the sophomore year. Satisfactory performance is required for junior standing.

Comprehensive Reading Program

The comprehensive reading program administered by each department envisages a lively acquaintance with and a good understanding of selected writings related to the student's field of concentration. A broad bibliographical acquaintance with outstanding works in the field plus a first-hand knowledge of selected works in concept and import will be required.

The senior comprehensive examination will include the work of the comprehensive reading program.

The comprehensive reading lists will be prepared by the several departments.

Academic Regulations

ATTENDANCE

At Monmouth College, responsibility for class attendance is placed upon the student except as this is limited by the regulations which follow:

1. Courses of study at Monmouth College are planned and organized upon the assumption that the student will be in regular attendance. The student is responsible for all work covered in the course, including lectures, class discussions, assignments of any kind and all examinations. However, students need not make application to have absences excused and need not make any explanation of class absences.
2. Freshmen will be permitted no voluntary absences during the first term. During the second and third term, this will apply only to freshmen who failed to earn a grade-point average of at least 2.0. All unexcused absences for freshmen who are not permitted to have voluntary absences must be explained to the personnel dean concerned no later than 24 hours after the student returns to class.
3. Attendance is required at the last meeting of a class before, and at the first meeting of a class after, a college vacation. Students who have urgent reasons for absences immediately before or after vacations may be excused by the registrar.
4. A student whose record in a course is suffering because of frequent absences may be required by his instructor or the academic dean to give up the privileges of these regulations and, during the remainder of the semester, explain all absences. This action may be taken at any time during a semester.
5. All students, unless excused by the faculty committee on absences, are required to attend chapel services and the monthly Vesper service held on the first Sunday afternoon of each month in the college auditorium. Students are expected to attend public worship in the church of their choice on Sundays.

In addition to excused absences a student may have two absences from chapel and/or vespers during a term without penalty. Additional absences shall entail loss of credit.

REGISTRATION

In the spring of each year students will register in advance for all three terms of the next academic year. New students, in consultation with the personnel dean concerned, will choose their courses during the summer preceding their entrance to the college.

All changes in registration require written permission of the instructor for the courses involved and the student's adviser. A fee of $5.00 is charged for each course change made after the first week of classes. A course may be added after it has been in session for one week only with the recommendation of the instructor and adviser and approval of the academic dean. Withdrawal from a course after the first week of classes carries the grade of F except for reasons of illness or circumstances beyond the control of the student.

A student may not register in a new course after the second week of classes.

GRADES

Academic work is graded at Monmouth College as follows:

A
B
C+
C
D
F Failure
I Incomplete (Grade Deferred)
W Withdrawal

The mark I signifies work in the course is incomplete due to illness or circumstances beyond the control of the student, or where the instructor feels further evaluation is needed before the grade is determined. Unless the I is removed within the term following that in which it was given, the grade automatically becomes an F. The mark W signifies withdrawal and is given when a student withdraws from a course with the approval of the instructor involved, the student's adviser and the academic dean, provided the student is passing in the course at the time of withdrawal. The mark W will not be recorded after the end of the first week of classes except for reasons of illness or circumstances beyond the control of the student.

GRADE-POINT AVERAGE

All students in a class are ranked according to their work. Each teacher determines the rank of his own students in his own way. The following grades are used:

A = 4 grade-points per term course
B = 3 grade-points per term course
C+ = 2.5 grade-points per term course
C = 2 grade-points per term course
D = 1 grade-point per term course

The term "average" is determined by dividing the total grade-points earned during the term by the number of term courses taken. The cumulative average is the total of all grade-points earned, divided by the total number of term courses taken.

ACADEMIC PROBATION

A student who in any term fails to earn a grade-point average of at least 1.5 is placed upon probation for the following term. At any time, a student doing very poor work (for freshman, this means a grade-point average of 1.0) may be warned and placed on probation with the understanding that unless his grade-point average is at least 1.5 at the end of the term, he may be dropped from college. A student on probation who fails to earn a grade-point average of at least 1.5 is required to withdraw from college for at least one term.

CUMULATIVE GRADE-POINT AVERAGE

A student with nine term courses but less than 18 term courses whose grade-point average is less than 1.6 is on probation. A student with at least 18 term courses, but less than 27 term courses, whose grade-point average is less than 1.8 is on probation. A student with more than 27 term courses, whose grade-point average is less than 2.0, is on probation.

CLASSIFICATION

The student who has nine term courses of college credit and a grade-point average of 1.6 is classified as a sophomore; 18 term courses and a grade-point average of 1.8, a junior; 27 term courses and a grade-point average of 2.0, a senior.

DEGREES

The degree regularly conferred is Bachelor of Arts. Candidates for a degree shall make formal application to the registrar one year in advance of their expected graduation date. The course may be completed at the close of any term but the formal graduation will occur at the commencement in June. The senior year must be spent in residence at Monmouth College.

HONORS AT GRADUATION

Honors at graduation are either *summa cum laude, magna cum laude* or *cum laude.* The student is ranked upon his own merit, not upon comparative standing. To be eligible for honors at graduation a student must have been in residence at least six terms and have achieved a grade of Honor in the comprehensive examination. To be eligible for honors *summa cum laude* the grade-point average for the work taken in residence must be 3.9 or higher. To be eligible for honors *magna cum laude,* the grade-point average for the work taken in residence must be 3.75 or higher. To be eligible for honors *cum laude,* the grade-point average for the work taken in residence must be 3.5 or higher.

CREDIT BY EXAMINATION

Students may satisfy any division I, II or III requirement or secure advanced placement by passing an examination administered by the department concerned and sufficiently comprehensive to prove their mastery of the required courses. Exemptions from distribution requirements may be recommended by the department concerned. If credit is desired, it may be recorded if it does not void necessary admission units and if the fees for such special examinations and additional hours are met. The fee for an examination to satisfy a divisional requirement or secure advanced placement with credit is $10.00. A fee of $45.00 per term course will be charged for recording credits on the transcript. No course except second-year foreign language courses shall be used to satisfy both distribution and concentration requirements.

AUTOMOBILES

Monmouth College students (except freshmen) are permitted to maintain and operate automobiles in accordance with regulations which are administered by a committee composed of the personnel deans. A detailed list of regulations governing use of automobiles is published in the *Scots Guide.*

REGULATIONS

Complete rules governing registration, attendance, conduct, probation, and use of automobiles will be published in the *Scots Guide* which is distributed at the beginning of the school year.

ADMISSION

Applicants must present a minimum of 15 secondary school units, 12 of which must be in the following fields: English, History, Social Science, Foreign Language, Mathematics, and Science (a unit is a subject carried for one school year). Four of the 12 units must be in English. One-half unit of the English requirement may be in speech or other communication courses.

All applicants are required to take the Scholastic Aptitude Test given by the College Entrance Examination Board.

Advanced Placement

A student may secure advanced placement at entrance by passing an examination administered by the department concerned.

FINANCIAL AID

Students may receive financial assistance through scholarships, Grants-in-Aid, part-time employment, and student loans. Recipients are selected on the basis of scholastic aptitude, scholastic achievement, and financial need.

The National Defense Student Loan Fund is available at Monmouth for qualified students.

FEES

Expenses for the 1962-63 school year are as follows:

Tuition and Fees	$1225.00
Room	300.00
Board	500.00

An estimated $300.00 to $400.00 will be required for books, supplies, clothing, recreation and other miscellaneous and personal items.

Courses of Instruction

ARRANGEMENT

The departments of instruction in the following description of courses are arranged in alphabetical order. The listing of personnel at the beginning of each department's section of this catalog is historical, referring to the 1961-62 year. The announcement of courses to be given is anticipatory, referring to the 1962-63 year. Departmental listings also contain general information concerning the program of the department and requirements for a major in that field.

NUMBERING AND LEVEL

The numbering of each course indicates the level of the course. Numbers 100-199 are used for introductory courses open to freshman. Numbers 200-299 are used for intermediate courses open to sophomores but not to freshmen. Numbers 300-399 are used for advanced courses open only to juniors and seniors or to sophomores with consent of the instructor. Numbers 400-499 are used to designate departmental seminars and independent study.

FRACTIONAL COURSES

Art: All studio courses will be fractional courses. Studio classes will meet six hours per week, either three periods of two hours each or two periods of three hours each. Two terms must be completed to receive one course credit; an additional course credit will be given after the completion of the third term.

Music: All applied music courses will be evaluated as one-sixth of a course per term. No credit will be given until the equivalent of a full course has been completed.

Speech and Dramatics: Dramatics will be evaluated as one-sixth of a course per term. Directing and debate will be evaluated as one-third of a course per term. No credit will be given until the equivalent of a full course has been completed.

ART

HARLOW B. BLUM, *Instructor, Acting Head*
MARTHA H. HAMILTON, *Assistant Professor*

Field of Concentration

At least 10 term courses in art and five related term courses to include the following: four term courses in art history and design theory, four term courses in studio art and two term courses in independent study (Art 320 and 420).

101. Introduction to the History of Art. A study of art from prehistoric times to the Baroque period.
Second term — *Mrs. Hamilton*

102. Introduction to the History of Art. A study of art from the Baroque period to the present time.
Third term — *Mrs. Hamilton*

103. Art Appreciation. A course for the general student, emphasizing increased perception of the formal elements of visual art — line, form, color and texture — with which one comes into contact every day. Included also are the theory and criticism of visual art. Open primarily to non-art majors.
First term *Mrs. Hamilton*

211. Design. A study of the fundamental elements and principles of design applied to fine and minor arts.
Second term *Mrs. Hamilton*

312. History of Interior Design, Furniture and Decoration. A study of interior design, furniture and decoration from prehistoric times through the seventeenth century.
First term (1962-63 and alternate years) *Mrs. Hamilton*

314. History of Interior Design, Furniture and Decoration. A study of interior design, furniture and decoration from the eighteenth century to the present. Prerequisite: Art 312 or consent of the instructor.
Second term (1962-63 and alternate years) *Mrs. Hamilton*

316. House Planning and Decoration. A study of house planning and building, interior and exterior, and decoration and furnishing. Special emphasis on contemporary materials and methods.
(1963-64 and alternate years)

319. Mediterranean Culture of the 16th and 17th Centuries. See French 319.

320. Junior Independent Study. An individual research program arranged in consultation with the instructor and designed to fit the interests of the student.
Third term *Staff*

321. Architecture. Ancient, Medieval, and Renaissance architecture are used as a basis for appraising contemporary architecture.
First term *Mrs. Hamilton*

322. Contemporary Art. A study of twentieth century painting and sculpture with emphasis on the art in America.
Third term *Mrs. Hamilton*

331. European Renaissance. A study of the great figures in important centers in the Renaissance.
(1963-64 and alternate years)

420. Senior Independent Study. An individual research program as in 320, but on a more advanced level.
Third term *Staff*

Studio Courses

All studio courses are fractional courses. A one-term course requires the completion of two terms during which classes will meet six hours per week each term. Upon the completion of a third term "b" course an additional term course credit will be recorded.

151 a, b. Fundamentals of Drawing. Introducing the beginning student to a variety of media: charcoal, conte, ink, pastel and watercolor. Theory and practice in the elements of drawing with the emphasis on creative expression.
Mr. Blum

201 a, b. Beginning Printmaking-Serigraphy. A studio course in silk-screen emphasizing the basic techniques of the medium in the development of the fine print.

Mr. Blum

251 a, b. Elementary Oil Painting. Introducing the student to composition practice, analysis and painting techniques. Still-life, figure and landscape. Prerequisite: Art 151 or consent of the instructor.

Mr. Blum

301 a, b. Advanced Printmaking. Prerequisite: Art 201.

Mr. Blum

351 a, b. Composition and Painting. Composition practice, analysis and painting techniques with emphasis on the creative formal elements. Prerequisite: Art 251.

Mr. Blum

451 a, b. Advanced Composition. Individual creative work in the practice of painting, sculpture or graphic arts; and seminar on professional problems. Prerequisite: Art 301 or 351.

Mr. Blum

BIBLE AND RELIGION

CHARLES J. SPEEL, II, *Professor, Head*
J. STAFFORD WEEKS, *Assistant Professor*
HAROLD J. RALSTON, *Professor*

Courses in the department have four main objectives:

1. To develop in students a knowledge of the contents of the Bible, the use made of it in the past and present, the areas of study closely allied to it and the relationship of such knowledge to other fields of study.
2. To help students discover the role of religion in contemporary life, both personal and social, and to assist them in their quest for moral and religious understanding and certainty.
3. To develop in students a knowledge and understanding of the historical and doctrinal roles of Christianity and other religious forces.
4. To prepare students for the varied tasks of lay leadership and to build a foundation for graduate study in the case of those preparing for the ministry, for religious education and for the teaching of Bible and Religion.

Field of Concentration

(a) A departmental unit of at least seven term courses.
(b) At least five related term courses chosen in consultation with the department.

Bible

101. Bible Survey. A survey of the Old and New Testaments and a study of Jesus and Paul.

Each term *Staff*

201. Old Testament Problems. Various aspects of Old Testament material including literature, religion and theology.

First term (1963-64 and every third year) *Mr. Speel*

212. New Testament Problems. Various aspects of New Testament ma-

terial, including literature and religious thought.
Second term (1964-65 and every third year) *Mr. Speel*

301. Archaeology and the Bible. The bearing of archaeological and historical investigations on the life and literature of the Old and New Testaments along with a study of the relationship of neighboring cultures.
First term (1962-63, 1964-65 and twice every three years) *Mr. Speel*

Religion

101. Basic Beliefs. A study of the fundamentals of the Christian faith and a consideration of the chief creeds of Christendom.
First term. *Mr. Weeks*

203. Ethics of the Professions and Business. A study of the history of Christian ethics and the ethics of the professions and businesses of the present day. Guest speakers, specialists in their fields, assist the instructor in the class. Discussion of historical and current situations.
Third term (1963-64 and every third year) *Mr. Weeks*

213. Philosophy of Religion. See Philosophy 213.

301. Church History to 1450. A history of the Christian Church from the time of Christ to 1450 A.D., including a study of Christian doctrine, Church organization, significant ecclesiastical movements and outstanding Church leaders.
First term *Mr. Speel*

307. New Testament. See Classical Languages (Greek) 307.

308. New Testament. See Classical Languages (Greek) 308.

312. Church History 1450 to the Present. A history of the Christian Church from 1450 A.D. to the present, including a study of doctrine, organization, ecclesiastical movements and church leaders.
Second term *Mr. Speel*

322. World Religions. An introduction to the history of religion, emphasizing the life and character of the founders, the philosophic development, the numerical and territorial expansion and the faith and practices of the religions of the world, both past and present.
Second term *Mr. Weeks*

324. Sacred Music. See Music 324.

333. Christian Leadership. A study of the Christian ministry, the history, organization and administration of the Church. Includes an introduction to forms of worship, use of the Bible, and other materials and subjects related to Christianity and the furtherance of missions.
Third term (1962-63 and alternate years) *Mr. Weeks*

343. Program, Polity and Worship. A study of the program, polity and worship of the United Presbyterian Church. Arrangements may be made for students of other denominations to study their own church.
Third term (1963-64 and alternate years) *Mr. Weeks*

Seminars and Individual Study

351. Field Work in Christian Education. A supervised program of practical experience in connection with Christian education programs at local churches. Open only to juniors and seniors preparing for careers in Chris-

tian education. Departmental consent required. Prerequisite or corequisite: Religion 323. Fractional credit.

Mr. Speel

401. Seminar. Open to juniors and seniors, subject to consent of the department. Topic for 1962-63: "The Middle East and Africa."
First term *Mr. Speel*

412. Reading Course. On problems of interest to the student. Open only to students who include Bible and Religion in their field of concentration.
Second term *Mr. Speel*

423. Thesis Course. On a subject of the students' own choosing. Open only to students who include Bible and Religion in their field of concentration.
Third term *Mr. Speel*

BIOLOGY

JOHN J. KETTERER, *Associate Professor, Head*
ROBERT H. BUCHHOLZ, *Associate Professor*
MILTON L. BOWMAN, *Assistant Professor*

Field of Concentration

(a) A departmental major of at least seven term courses in addition to Biology 101 and 102 The seven term courses must include Biology 201, 303, 305, 306, 401, and either 402 or 403. The remainder of the requirement may be satisfied by any other courses offered by the department.

(b) Five term courses in the related fields of physics and chemistry of which the following are required: Organic Chemistry, one term; Quantitative Analysis, one term (unless excused by the adviser) and physics, two terms. A good background in mathematics is strongly urged.

101. College Biology. An introduction to biology covering the organization of living organisms, their general physiology, morphology, embryology, genetics, evolution and ecology. Appropriate animal and plant forms are studied in both lecture and laboratory. Open to all students.
First term *Staff*

102. College Biology. Continuation of Biology 101. Prerequisites: Biology 101 or consent of the instructor.
Second term *Staff*

201. Introductory Physiology. An introduction to the physiology of mammalian organs and organ systems. Prerequisites: Biology 101, 102, and Chemistry 101 or consent of the instructor.
First term *Mr. Buchholz*

203. Genetics. An introduction to the principles of heredity in animals and plants. Prerequisites: Biology 101, 102, or consent of the instructor.
Third term (1962-63 and alternate years) *Mr. Ketterer*

204. Botany. A review of the plant kingdom with emphasis on plant structure, physiology and classification. Open to all students.
Third term *Mr. Bowman*

206. Ecology. An introduction to ecology designed to give the student an understanding of the principles and concepts of environmental interrelationships and interactions with living organisms. Prerequisites: Biology 101, 102, and Biology 204 or consent of the instructor.
Third term *Mr. Bowman*

208. Organic Evolution. An introduction to the theories of evolution, the mechanics of evolution, the problems of the origin of life and evolution of plants and animals. Prerequisites: Biology 101, 102, or consent of the instructor.
Third term (1963-64 and alternate years) *Mr. Ketterer*

301. Bacteriology. A general course consisting of a study of culture methods, morphology, identification and physiology of the bacteria. Some consideration is also given to the nature of disease and its control. Prerequisites: Biology 101, 102, or consent of the instructor.
Second term (1962-63 and alternate years) *Mr. Ketterer*

302. Histology. An introduction to vertebrate animal tissues with consideration given to the relationship of form to function. Representative tissues are studied in the laboratory. Prerequisites: Biology 101, 102.
Second term (1963-64 and alternate years) *Mr. Ketterer*

303. Comparative Physiology. A comparison of animal physiological mechanisms in the muscle, nervous, endocrine, circulatory, digestive and excretory systems. The organisms will be studied in relation to ecology and the evolution of physiological function. Prerequisites: Biology 201 and Chemistry 102.
Second term *Mr. Buchholz*

304. Advanced Physiology. A study of topics of current interest in basic and comparative physiology. Prerequisites: Biology 303 or consent of the instructor.
Third term *Mr. Buchholz*

305. Comparative Vertebrate Anatomy. A detailed study of the comparative anatomy of vertebrates. Shark, Necturus and cat are used as types in the laboratory. Prerequisites: Biology 101, 102, or consent of the instructor.
First term *Mr. Ketterer*

306. Embryology. A study of the embryological development of vertebrates. Prerequisites: Biology 305 or consent of the instructor.
Second term *Mr. Bowman*

Seminars and Individual Study

401. Seminar. Readings and discussions on selected topics designed to relate the knowledge from the several branches of biology to the whole of biological knowledge and to other learned disciplines from an historical and current problems point of view. Open to senior biology majors.
First term *Staff*

402. Experimental Biology. Advanced laboratory experimental work of the student's own choosing, not covered in other courses offered by the department. Detailed written reports are required. Open to senior biology majors.
Second or third term *Staff*

403. Research. Original research projects, chosen by the student in consultation with the staff, involving the search of primary literature

sources, design and execution of experiments, and an oral and written report of the research results. Open to senior biology majors.
Second or third term *Staff*

405. Independent Study. Offered by special arrangement.
Each term *Staff*

CHEMISTRY

GARRETT W. THIESSEN, *Professor, Head*
FLOYD F. RAWLINGS, *Associate Professor*
BYRON HAWBECKER, *Instructor*

Field of Concentration

(a) Chemistry 101, 102, 103, 201, 301, 302, 403, 404; Physics 102 and Mathematics 152; and as many related courses as possible in biology, geology, math and physics.

(b) American Chemical Society Accreditation: All of the above plus Chemistry 202, 203, 303 and 401 or 402; reading knowledge of German; Mathematics 254.

101. Elementary Inorganic. Periodic Law, atomic structure, orbital picture of chemical bonds, phase rule, gas laws, and kinetic molecular theory, classical atomic and molecular weights, formulas, equations and stoichiometry, solutions, electrochemistry, oxidation-reduction. Four lectures, one lab (semimicro identification). Prerequisite: Two and one-half units of mathematics, slide rule.
First term *Mr. Thiessen*

102. Descriptive Elementary Organic. General survey of organic chemistry including aliphatic and aromatic hydrocarbons, important functional groups (alcohols, carbonyls, amines, etc.), carbohydrates, amino acids and proteins, natural products. Four lectures, one lab (semimicro synthesis). Prerequisite: 101 or equivalent.
Second term *Mr. Hawbecker*

103. Electrolytic Equilibrium. Nuclear chemistry, kinetic equilibrium, ionic equilibrium, water ph, buffers, hydrolysis, solubility products, colloids, elementary thermodynamics, complexes. Three lectures, two laboratories (separation and identification). Prerequisite: 101 or equivalent; Physics — differential and integral calculus or equivalent.
Third term *Mr. Thiessen*

201. Elementary Analytical. Gravimetry, titrimetry and the physical chemical basis for analytical chemistry. Three lectures, two laboratories (gravimetry, titrimetry, physical chemical applications, colorimetry). Prerequisite: 102, 103.
First term *Mr. Rawlings*

202. Physical Chemistry. Thermodynamics (classical and statistical), solutions, kinetic theory, liquid states, molecular structures. Four lectures, one laboratory (physical properties of elements and compounds emphasizing precision in measurement). Prerequisite: Chemistry 201 and Mathematics 254.
Second term *Mr. Rawlings*

203. Physical Chemistry. Homogeneous and heterogeneous equilibrium, electrochemistry, elementry chemical kinetics, Schroedinger equation, quan-

tum chemistry, molecular bonding. Four lectures, one laboratory (miscellaneous experiments in physical chemistry).
Third term *Mr. Rawlings*

301. Advanced Organic. Chemical bonding, resonance, sterochemistry, mechanisms of reactions for aliphatic and aromatic compounds, elimination and addition reactions, molecular rearrangements, emphasis on important synthetic procedures. Three lectures, two laboratories (advanced techniques in organic synthesis). Prerequisite: 102, 201.
First term *Mr. Hawbecker*

302. Advanced Analytical. Analytical complexes, redox theory, potentiometry, multiple stage separations, conductometric titrations, polarography. Three lectures, two laboratories (advanced techniques including instrumentation [electromagnetic waves and nuclear]). Prerequisite: 201.
Second term *Mr. Rawlings*

303. Theoretical Inorganic. Acid-base chemistry, co-ordination chemistry, mechanisms of inorganic reactions, descriptive inorganic chemistry. Three lectures, two laboratories (emphasis on advanced techniques of inorganic synthesis). Prerequisite: 301, 203.
Third term *Mr. Hawbecker*

401. Advanced Physical Chemistry. Advanced chemical kinetics, statistical mechanics, spectroscopy, advanced topics in physical chemistry. Four lectures, one laboratory (nuclear chemistry, instrumental analysis). Prerequisite: 302, 303.
First term *Mr. Rawlings*

402. Theoretical Organic. Advanced mechanistic theories, Hammett and Taft equations, heterocycles, applications of electromagnetic waves to organic chemistry. Three lectures, two laboratories (qualitative inorganic analysis, including applications of infra-red and ultra-violet spectra). Prerequisite: 301, 302.
Second term *Mr. Hawbecker, Mr. Thiessen*

403. Seminar. Survey of the chemical literature. Prerequisite: students must be chemistry majors in their senior year.
Third term *Mr. Hawbecker, Staff*

404. Independent Study. Consists of a senior thesis or a research project. Prerequisite: students must be chemistry majors in their senior year.
Each term *Mr. Hawbecker, Staff*

CLASSICAL LANGUAGES

HAROLD J. RALSTON, *Professor, Head*
BERNICE L. FOX, *Associate Professor*

Latin
Field of Concentration

(a) A departmental unit of at least seven courses in addition to Latin 101 and 102, and including 401.
(b) Five or more related courses chosen with the approval of the adviser.

101. Elementary Latin. A study of grammar and syntax. Designed for the student beginning the study of Latin.
Second term *Miss Fox*

102. Elementary Latin. A continuation of Latin 101, completing syntax and starting the reading of Latin authors.
Third term *Miss Fox*

204. Vergil's Aeneid. Prerequisite: two years of high school Latin or Latin 101-102.
First term *Miss Fox*

205. Cicero. Selections from the Orations and Essays. Prerequisite: two years of high school Latin or Latin 101, 102.
Second term *Miss Fox*

301. Livy's Histories. Emphasis on the early kings and the Carthagenian Wars. Prerequisite: three years of high school Latin or its equivalent.
First term (1963-64 and alternate years) *Miss Fox*

302. Tacitus and Suetonius. The period of the Twelve Caesars, with special study of the periods of Augustus and Nero. Prerequisite: see Latin 301.
Second term (1963-64 and alternate years) *Miss Fox*

303. Pliny's Letters. Special study of Roman private life at the time of pliny. Prerequisite: see Latin 301.
Third term (1963-64 and alternate years) *Miss Fox*

310. Roman Drama. Studies in Plautus and Terence. Prerequisite: see Latin 301.
First term (1962-63 and alternate years) *Miss Fox*

311. Latin Lyric Poetry. Readings from Catullus, Ovid and Horace. Prerequisite: see Latin 301.
Second term (1962-63 and alternate years) *Miss Fox*

312. Roman Satire. A study of the satires of Horace and Juvenal and the epigrams of Martial. Prerequisite: see Latin 301.
Third term (1962-63 and alternate years) *Miss Fox*

401. Independent Study. Individual research problems in language or literature under guidance of the instructor. Advanced students only.
By special arrangement *Miss Fox*

Greek

101. Elementary Greek. A study of Greek grammar and acquisition of vocabulary.
Second term *Mr. Ralston*

102. Elementary Greek. Continuation of the study of Greek grammar, with translation in Xenophon's *Anabasis* or other selected reading.
Third term *Mr. Ralston*

201. Greek Reading. Selections from Plato's *Apology* and *Crito,* or from the Greek historians, Septuagint, Apocrypha, or non-literary papyri.
First term (1962-63 and alternate years) *Mr. Ralston*

202. Greek Reading. Continuation of 201.
First term (1963-64 and alternate years) *Mr. Ralston*

307. New Testament. Forms, syntax and reading. Prerequisite: Greek 101-102.
Second term (1962-63 and alternate years) *Mr. Ralston*

308. New Testament. Textual and word studies and more difficult reading.
Second term (1963-64 and alternate years) *Mr. Ralston*

401. Independent Study. More advanced individual study of grammar or reading under direction of the instructor.
By special arrangement *Mr. Ralston*

Classical Civilization

(Given in English. No foreign language prerequisite.)

220. Roman Literature in Translation. A study of Roman literature in English translation. No prerequisites.
Third term (1963-64 and alternate years) *Miss Fox*

221. Classical Mythology. A study of classical myths, especially as they relate to English literature. No prerequisites.
Third term (1962-63 and alternate years) *Miss Fox*

223. Greek Civilization and Literature. Introduction to Greek life, artistic accomplishment and thought. Selections from Greek literature are read in English translation.
First term (1962-63 and alternate years) *Mr. Ralston*

224. Word Elements. Intended to aid in mastering general and technical derivatives from Greek and Latin stems. No previous study of these languages required.
First term (1963-64 and alternate years) *Mr. Ralston*

ECONOMICS

James R. Herbsleb, *Professor, Head*
Newell Beatty, *Assistant Professor*
Robert Aduddell, *Instructor*
Homer L. Shoemaker, *Instructor*

Field of Concentration

The field of concentration may be either in Economics or Business Administration, or these areas may be combined:

(a) Concentration in Economics requires the following courses: 305, 306, 300, 301, 309, 311, 401 and Statistics. Additional electives available would be Economics 302, 303, 310 and a Survey of Accounting (independent study).

Economics 200, 201 are required and may be used to satisfy Division II requirements, but are not included in the field of concentration.

(b) Concentration in Business Administration requires the following courses: 203, 204, 307, 308, 320, 321, or 322, 401 and Statistics. Additional electives available would be Economics 100, 322, 323, 205, 206, 324.

Economics 200, 201 are required and may be used to satisfy Division II requirements, but are not included in the field of concentration.

(c) Combined Economics and Business Administration curricula require the following courses: Survey of Accounting (independent study) or Economics 203, 204, 401, and other additional courses taken with the advice and consent of the adviser to complete the major.

Economics 200, 201 are required and may be used to satisfy Division II requirements, but are not included in the field of concentration.

100. Introduction to Business Administration. A comprehensive picture of the business life of our day, giving insight into methods of organization and management of business such as factory management, marketing, finance, personnel management, government aids and regulation, taxation of business.
First or third term *Mr. Beatty*

200. Principles of Economics. The two-term sequence (Economics 200-201) is designed to equip the student with a fundamental and rigorous understanding of the methods and objectives of economic analysis. The course provides an intensive, orderly and objective set of basic relationships within which real world economic problems and policy questions may be analyzed.
First term *Mr. Aduddell*

201. Principles of Economics. A continuation of Economics 200. Prerequisite: Economics 200.
Second term *Mr. Aduddell*

203. Principles of Accounting. This course does not presume any previous training in bookkeeping. It gives thorough acquaintance with the principles of accounting as applied to the corporate form of business enterprise.
First term *Mr. Shoemaker*

204. Principles of Accounting. A continuation of Economics 203 with emphasis on the interpretation of accounts as applied to both corporations and partnerships. Prerequisite: Economics 203.
Second term *Mr. Shoemaker*

205. Intermediate Accounting. Individualized study, usually seminar, in various fields of accounting such as budgeting, cost, taxation, etc.
Second term *Mr. Shoemaker*

206. Advanced Accounting. A continuation of 205.
Third term *Mr. Shoemaker*

211. Mathematics of Finance. See Mathematics 211.

212. Elementary Statistics. See Mathematics 212.

300. Intermediate Price Theory. An intensive view of modern price theory as it applies to individuals, firms and resource owners and their interaction in markets characterized by both perfect and imperfect competition. Prerequisite: Economics 201.
Second term *Mr. Aduddell*

301. Intermediate Income Analysis. A comprehensive view of modern theories of the determination of income and employment. Includes discussion of both Keynesian and post-Keynesian developments in income theory. Prerequisite: Economics 201.
Third term *Mr. Aduddell*

302. Business and Government. A study of basic industrial organization as it is altered by government regulation, particularly the regulation of monopoly and unfair business practices as spelled out in the Sherman Act and Clayton Act. Prerequisite: Economics 201.
First term *Mr. Aduddell*

303. Government and Labor. A study of the changing position of labor before the courts and government regulation of labor unions. Prerequisite: Economics 201, 302.
Second term *Mr. Aduddell*

305. Money and Banking. A study of the history and theory of banking

and the problems of monetary and fiscal policy. Prerequisite: Economics 201.
First term *Mr. Herbsleb*

306. International Economics. Analysis of our economic relations with other nations, relating to governmental policies in the area of trade and including economic development. Prerequisite: Economics 305.
Second term *Mr. Herbsleb*

307. Business Law. An introduction to the development of our legal system and the organization of our courts. Involves analysis of cases and application of principles with a view to the appreciation of the involvement and development of law in our society. Prerequisite: Economics 201.
First term *Mr. Herbsleb*

308. Business Law. A continuation of Economics 307, extending the analysis of the law into the realm of business organizations and property. Prerequisite: Economics 307.
Second term *Mr. Herbsleb*

309. Comparative Economic Systems. Analysis of the competing economies of the world — Capitalism, Socialism, Fascism, Communism. Prerequisite: Economics 201.
Second term *Mr. Herbsleb*

310. Public Finance. A study of the financing of government operations, including the problems of fiscal policy. Prerequisite: Economics 201.
Third term *Mr. Herbsleb*

311. History of Economic Thought. A study of the development of major economic thought and doctrines. Emphasis upon Mercantilists, Physiocrats, Classical School, Adam Smith, J. S. Mill, Alfred Marshall, J. B. Clark, Thorstein Veblen, J. A. Hobson, J. M. Keynes and others. Prerequisite: Economics 201.
Third term *Mr. Aduddell*

320. Investments and Finance. Analysis of the various types of investment securities from the viewpoint of the investor, with attention to methods of corporation finance. Prerequisite: Economics 201, 204.
First term *Mr. Beatty*

321. Industrial Management. A study of the organization of industry and its management, including the physical plant, production, control and administration. Prerequisite: Economics 201, 203.
Second term *Mr. Beatty*

322. Marketing. Principles and problems in wholesaling, retailing, advertising, chain stores and mail-order merchandising; study of buying motives and commodity markets; methods in buying, selling, transportation, storage, pricing and credit extension. Prerequisite: Economics 201.
First term *Mr. Beatty*

323. Executive Management. An understanding of business reports, such as balance sheets, profit and loss statements, etc.; analyzing business problems, arriving at decisions and presenting oral and written reports. Prerequisite: Economics 201, 320, 321.
Second term *Mr. Beatty*

324. Personnel Management. A study of problems and methods of personnel management; standards of living, wages, unemployment, trade union movement and methods of effecting adjustments between capital and labor. Prerequisite: Economics 201.
Third term

401. Independent Study — Seminar. A study of selected topics with

emphasis on the student's responsibility in research, methods, presentation and defense of ideas. Prerequisite: Economics 201, 311.
Third term *Mr. Aduddell, Mr. Herbsleb*

EDUCATION

ALBERT NICHOLAS, *Professor, Head*
CHARLES E. WINGO, *Professor*
BEN T. SHAWVER, *Professor*
THOMAS J. ERWIN, *Assistant Professor*
KATYE L. DAVENPORT, *Instructor*

Field of Concentration

The education department prepares students for teaching in both the elementary and secondary schools. The courses offered meet the requirements for the certificate in Illinois. While these courses also meet the requirements in a number of other states, students who plan to teach outside Illinois should consult with the department about requirements for a particular state.

201. Introduction to American Public Education. Study of educational psychology, history and philosophy of education, and tests and measurements. Prerequisites: sophomore standing, Psychology 221 and 2.0 grade-point average.
Second or third term *Staff*

202. Introduction to American Public Education. A continuation of 201.
Second term *Staff*

220. Physical Education for Elementary Teachers. Required of all elementary teachers. See Physical Education 220.

301. The Teaching of Arithmetic and Reading. Required of all elementary teachers. Prerequisites: Education 201 and 202. Open to juniors and seniors.
First term *Mr. Wingo*

302. Secondary Techniques, Methods and Instructional Materials. Required for secondary teachers. Prerequisites: Education 201 and 202. Open to juniors and seniors.
First term *Mr. Nicholas*

303. Secondary Instructional Materials and the Teaching of Reading. Required for secondary teachers. Prerequisites: Education 201 and 202. Open to juniors and seniors.
Second term *Mr. Nicholas, Mr. Wingo*

304. Science for Elementary Teachers. Study of methods, techniques and instructional materials in elementary school science courses. Prerequisites: Education 201 and 202. Open to juniors and seniors.
First term *Mr. Shawver*

307. School Administration. A study of the local school system, the duties of the superintendent and principal and the supervision of instruction.
Third term (1963-64 and alternate years) *Mr. Wingo*

312. Teaching of Elementary School Music. See Music 312.

325. Psychology of Learning. See Psychology 325.

326. Teaching of Art and Children's Literature. Prerequisites: Education 201 and 202. Open to juniors and seniors.

331. Developmental Psychology. See Psychology 331.

400. Independent Study. For seniors who wish to make a special study of some project in the field of education.
First or second term *Staff*

401. Student Teaching in the Elementary School. Required for the elementary certificate. Open only to seniors who have met certain requirements. Application must be made by May 15 of the junior year. Application blanks and information regarding the requirements may be obtained at the education department office.
First term *Staff*

401S. Secondary Student Teaching. Includes directed observation and full-time responsibility teaching in one or more of the grades seven through 12 in a recognized school, participation in weekly conferences and guided study of relevant references. Each student will work closely with a critic teacher, a college supervisor from the Education Department and a representative from the student's major department. The latter will be partly responsible for instruction in methods in the student's major field. Requirements for admission are described in "Handbook About Teacher Preparation at Monmouth College."
First term *Staff*

402. Student Teaching in the Elementary School. Successful completion of 401 is a prerequisite for admission. Completion of 402S is required of all candidates for the Illinois State Elementary School Certificate.
Second term *Staff*

402S. Secondary Student Teaching. Successful completion of 401S is a prerequisite for admission. Completion of 402S is required of all candidates for the Illinois State Secondary School Certificate.
Second term *Staff*

ENGLISH

ALLEN C. MORRILL, *Professor, Head*
EVA HANNA CLELAND, *Professor*
ADELE KENNEDY, *Associate Professor*
RICHARD LEEVER, *Associate Professor*
RALPH WOLFE, *Assistant Professor*
THOMAS GOSS, *Instructor*

Field of Concentration

(a) At least seven courses in English beyond the freshman courses, 101-102. It is recommended that the following courses be taken: English 201-202, English 204, English 221 or English 311, English 361, and at least one seminar course in both the junior and senior year.

NOTE: Upper college course prerequisites: Qualified students may apply for instructor's approval to waive usual prerequisites.

101. Freshman English. Weekly themes are required. Attention is given to the improvement of the student's vocabulary and facility in self-expression and self-correction. The course also provides an introduction to various types of literature, including the essay, short story and biography. Required of all freshmen.
First or second term *Staff*

102. Freshman English. A continuation of 101 including drama, poetry and the novel. Prerequisite: 101. Required of all freshmen.
Second or third term *Staff*

102a. An honors course for freshman students whose performance in English 101 has been outstanding. More ambitious units of writing than those of English 102 and frequent conferences with the instructor. A course aimed at developing the students' initiative and achievement. Prerequisite: English 101 and recommendation of the department.
Second or third term *Staff*

201. Survey of British Literature. British prose and poetry from their beginnings to 1800. Prerequisites: English 101 and 102.
First term *Mr. Leever*

202. Survey of British Literature. Prose and poetry of Britain from 1800 to the present. Prerequisite: sophomore standing.
Second or third term *Mr. Leever*

204. Survey of American Literature. Growth of American literature, exclusive of drama, from its beginning to 1900. A study of the principal tendencies with emphasis on major figures. Prerequisite: sophomore standing. This course may be followed by 305.
First term *Miss Kennedy*

221. Classical Mythology. See Classical Civilization 221.

300. Report Writing. Primarily technical or report writing for pre-engineering and scientific students and students preparing for graduate work. Advanced training in the gathering, preparation, organization and presentation of information.
First term (1963-64 and alternate years) *Mr. Goss*

301. Modern British Prose. Leading British writers and movements of the last 30 years.
Third term (1962-63 and alternate years) *Miss Kennedy*

305. Modern American Literature. Growth of American literature from 1900 to the present. A study of the leading writers and movements (sequel to English 204).
Second term *Miss Kennedy*

306. Creative Writing. A workshop course of self-expression and evaluation in poetry, the essay and the short story. Consent of the instructor required for admission.
Second term *Miss Fox*

307. The English Novel. A study of the English novel from its beginnings to the present.
First term (1962-63 and alternate years) *Mr. Morrill*

308. The American Novel. A study of the American novel from its beginnings to the present.
First term (1962-63 and alternate years) *Mr. Leever*

311. Great Books and Writers to 1800. A course in comparative literature, both prose and poetry, including translated masterpieces from Egypt, Greece, Rome, Persia and India.
First term (1963-64 and alternate years) *Mr. Goss*

312. Great Books and Writers from 1800. Extensive library readings and class discussions of the best literary productions of Europe and the Near East since 1800.
Second term (1963-64 and alternate years) *Mr. Goss*

313. The English Romantic Movement. A study of British poetry and prose in the romantic period.
Third term (1962-63 and alternate years) *Mr. Wolfe*

316. Tennyson and Browning. A study of British poetry in the second half of the nineteenth century with emphasis on Tennyson and Browning, their philosophy and their relation to their contemporary thought and progress. Individual studies are made of the lesser nineteenth century poets.
Third term (1962-63 and alternate years) *Miss Cleland*

318. Victorian Prose. A study of the ideas of this era of change and progress as expressed in essay and fiction. Readings include such authors as Mill, Carlyle, Arnold, Ruskin, Dickens and Thackeray.
First term (1963-64 and alternate years) *Miss Cleland*

320. European Short Story. French, Russian, German, Spanish, Italian and British short stories are studied. National characteristics and techniques are examined.
Miss Cleland

321. Seventeenth Century Literature. A study of seventeenth century British prose and poetry from the days of Donne and Jonson to the end of the Restoration.
First term (1963-64 and alternate years) *Mr. Morrill*

322. Eighteenth Century Literature. A study of eighteenth century British prose and poetry from Pope to Burns.
Third term (1963-64 and alternate years) *Mr. Morrill*

324. Biography and Diaries. A study of subjective writing as well as objective biography which throws light upon manners, customs, political, religious and literary life and interesting personalities.
Third term (1963-64 and alternate years) *Miss Cleland*

361. Shakespeare. A consideration of influences forming Shakespeare's background and the study of at least eight representative plays (see also English 462).
First term *Mr. Morrill*

363. The English Renaissance. A study of English writers in the sixteenth century with emphasis on Spenser, Sidney and Shakespeare's contemporaries.
Second term (1962-63 and alternate years) *Mr. Wolfe*

Seminars and Individual Study

In order to encourage individual initiative and scholarly research, the English department requires English majors to elect, in the junior and senior years, at least one individual study or seminar course each year. The following courses meet this requirement:

401. Chaucer. A study of Chaucer's England, his language and his writing, especially *The Canterbury Tales.* Permission of the instructor is required.
First term (1962-63 and alternate years) *Miss Kennedy*

403. Modern Poetry: British and American. A study of twentieth century British and American poetry. The course is conducted as a seminar with emphasis on literary movements and social significance. Prerequisites: senior standing and permission of the instructor.
Second term (1962-63 and alternate years) *Miss Kennedy*

404. Studies in American Civilization. An integrated historical, social and cultural interpretation of life, thought and institutions in the United

States from 1870 to 1950. Prerequisites: English 204, senior standing and permission of the instructor. See History 404 and Sociology 404.
Second term *Morrill, Davenport, Sanmann*

409. European Drama. A study of drama as a type of literature and a critical reading of Continental plays from Aeschylus to Ibsen. Emphasis on the literary qualities and social significance of the plays. Permission of the instructor required.
First term (1963-64 and alternate years) *Miss Kennedy*

410. Modern Drama. A continuation of English 409, but may be taken separately. Extensive library reading and class discussions of the best modern dramatic productions of Europe and America. Permission of the instructor required.
Second term (1963-64 and alternate years) *Miss Kennedy*

412. English Seminar. Problems in English and American literature.
First term *Mr. Morrill*

413. Studies in Indo-European Philology. Emphasis is placed on the origin, growth and distribution of the Indo-European languages and on the history, structure and chief modifications of the English language. Permission of the instructor required.
Second term (1963-64 and alternate years) *Mr. Wolfe*

420. Independent Study. Independent study may be pursued on projects students wish to study thoroughly which are not offered in the usual courses.
Given when requested. *Staff*

426. Journalism. Credit for individual study in journalism may be given to a few selected students who are working on the *Oracle*, by permission of the instructor.
Given when requested. *Staff*

430. Teaching of Secondary School English.
By special arrangement *Mr. Leever*

452. Introduction to Criticism. A seminar course studying the rise of literary criticism among the Greeks and Romans and the evolution of modern critical standards, especially as they may be applied to British and American writers. Prerequisites: English 201, 202; six hours of literature from 300 courses, and permission of the instructor.
Second term (1962-63 and alternate years) *Mr. Wolfe*

462. Shakespearean Studies. A seminar in which studies will be made of Shakespearean criticism and productions of Shakespeare's plays from 1600 to the present.
(1962-63 and alternate years) *Mr. Leever*

GEOLOGY AND GEOGRAPHY

DONALD L. WILLS, *Associate Professor, Head*

Field of Concentration

(a) At least seven term courses in geology, excluding Geology 101-102.

(b) At least five term courses in a related field. These may be taken in one or two departments approved by the adviser.

(c) At least one term of independent study.

(d) A grade of passing on the senior comprehensive examination.

No major is offered in geography.

101. Physical Geology. An introduction to the science of the earth. Materials composing the earth and the work of agencies, both external and internal, modifying its surface. Field trips to areas of geologic interest. Open to all students.
First term

102. Historical Geology. A comprehensive review of what is known and inferred about the history of the earth from its beginning to the present time. Field trips to areas of geologic interest. Prerequisite: Geology 101.
Second term

201. Mineralogy. Crystallography; chemical, physical and descriptive mineralogy; geologic occurrences, associations and uses. Prerequisite: first year chemistry, mathematics through trigonometry.
First term

202. Mineralogy. Continuation of Geology 201. Prerequisite: Geology 201.
First term

203. Petrology. Classification, occurrence, origin and hand-specimen recognition of common rocks. Prerequisite: Geology 202.
Third term

301. Structural Geology. Character, classification and origin of rock structures. Prerequisites: Geology 102; first year physics.
First term

302. Geomorphology. Origin, development and classification of landforms. Prerequisite: Geology 102.
Second term

303. Field Geology. Instruction in field methods and introduction to problems of field geology. A period of two weeks will be spent in the field visiting areas of geologic interest. Prerequisite: Geology 301-302.
Third term

401. Optical Mineralogy. Optical mineralogy; the polarizing microscope; systematic study of rocks with respect to their mineralogy, texture and genesis. Prerequisite: Geology 203.
First term

402. General Paleontology. Fundamental treatment of the basic concepts of paleontology. Systematic consideration of morphology, taxonomy and stratigraphic occurrences of invertebrate fossils. Prerequisite: first year biology; junior standing in geology.
Second term

403. Stratigraphy and Sedimentation. Principles of sedimentation; genetic relations and correlation of rock and time rock units. Prerequisite: Geology 401-402.
Third term

404. Research and Seminar. Readings in geology; independent research; preparation and presentations of papers. Open only to seniors in geology.
First term

405. Research and Seminar. A continuation of 404.
Second term

406. Research and Seminar. A continuation of 405.
Third term

Geography

101. Physical Geography. A systematic study of the physical and biotic environment. Open to all students.
Third term

GOVERNMENT

CARL W. GAMER, *Professor, Head*
HARRY S. MANLEY, *Professor*

Field of Concentration

(a) A minimum of eight courses, including Government 201 and 202, 341 or 342 and 404.

(b) A minimum of five courses in one or two related departments, chosen after consultation with the adviser.

201. Introduction to American Government. A study of the federal government and its constitutional development. Prerequisite: sophomore standing.
First term

202. State and Local Government and Politics. A study of the political institutions of the 50 states and their subdivisions (countries, townships, cities, etc.); also, the Constitution of Illinois, to meet one of the Illinois requirements for teachers. This course is a sequence to Government 201, although both can be taken independently. Prerequisite: sophomore standing.
Second term

302. Business and Government. See Economics 302.

303. Labor and Government. See Economics 303.

310. Public Finance. See Economics 310.

311. Party and Pressure Politics. A study of the problems and conduct of elections and primaries in the United States. Special studies are made of current political campaigns. Prerequisite: History 101 and 102 or Government 201 and 202 or History 251 and 252, junior standing or consent of the instructor.
First term (1962-63 and alternate years)

320. Citizenship and the Christian Ethics. A study of areas, methods and functions of responsible citizenship in terms of the Judaeo-Christian value system as found in pronouncements of church bodies and official commentaries on these. A study of case histories of various types of action and literature on the subject of responsible citizen-participation in the affairs of local, state, and national government and international affairs. Identification of existing unsolved problems. Opportunity to work on some supervised project to apply knowledge gained. Prerequisite: Government 201 or 202.
Third term (1962-63 and alternate years)

330. Government and Politics in Metropolitan Areas. Organization, administration and functions of government in metropolitan areas; some special problems. Prerequisite: Government 201 or 202. Junior standing or consent of the instructor.
Second term

341. Foreign Governments, I. A study of government and political activity in England, Canada, France, Germany, Italy, Switzerland, the Scandinavian countries. Prerequisite: History 102 or Government 201 or 202. Junior standing or consent of the instructor.
Second term (1962-63 and alternate years)

342. Foreign Governments, II. A study of government and political activity in the USSR and selected countries of Asia, Latin America and Africa. Prerequisite: History 102 or Government 201 or 202. Junior standing or consent of the instructor.
Third term (1962-63 and alternate years)

351. Political Theory to the Eighteenth Century. An historical survey and philosophical analysis of political theory from the time of the Greeks to the close of the seventeenth century. Required reading from the works of Plato, Aristotle, Machiavelli, Hobbes, and Locke. Prerequisite: Government 201 or 202.
Second term

352. Modern Political Theory. A continuation of Government 351 from the beginning of the eighteenth century to the present. Required reading from Rousseau, Burke, Hegel, Mill, and Communist, Fascist and Socialist theorists. Prerequisite: Government 201 or 202.
Third term

360. Public Administration. A study of the nature, scope and development of the American administrative system, the theory of organization, staff and auxiliary agencies, chief executive, administrative departments, independent regulatory agencies, government corporations, administrative relationships and science in administration. Prerequisite: Government 201 or 202.
Third term (1962-63 and alternate years)

361. Legislatures and Legislation. A study of the legislative process, methods of getting information, public opinion and special interests, the struggle for power and the public interest. Prerequisite: Government 201 or 202. Junior standing.
Third term (1963-64 and alternate years)

380. World Politics. A study of states in relation to each other; as friends, rivals, contestants; the influence of nationalism, economic rivalry, power politics; causes of conflict, means of resolving conflict and avoiding war. Prerequisite: Government 201 or 202, or History 102.
First term (1963-64 and alternate years)

390. International Law. A study of the growth and nature of international law, substantive and procedural rules, using text and cases; current problems, new developments. Prerequisite: Government 201, Government, 341, 342, or 380, or consent of the instructor.
Second term (1963-64 and alternate years)

391. International Organization. A study of the nature, organization, and functions of international organization, serving political and economic ends.
Third term (1963-64 and alternate years)

395. American Constitutional Law and Theory. A study of leading principles of American Government as developed through judicial interpretation of the Constitution. Prerequisite: Government 201, 202 or consent of the instructor. Junior standing.
First term

396. American Constitutional Law and Theory. A continuation of 395.
Second term

Seminars and Individual Study

401. Independent Study. Selected readings, written reports, conferences. Prerequisite: junior or senior standing. By arrangement with the instructor.
Third term (1963-64 and alternate years)

402. Soviet Civilization Seminar. An interdepartmental (see Economics 402, English 402 and History 402) or a departmental seminar to study the political and cultural life of the USSR. Prerequisite: Consent of the instructor.
By special arrangement

404. Senior Seminar. Required of all majors in government. A schedule of reading, reports and discussion designed to give a broad knowledge of the literature in the discipline of Political Science.
Second term (1963-64 and alternate years)

HISTORY

F. Garvin Davenport, *Professor, Head*
Mary Bartling Crow, *Assistant Professor*
Douglas R. Spitz, *Instructor*
Thomas Goss, *Instructor*

Field of Concentration

(a) A minimum of seven courses including at least two courses from the 101-103 sequence, either 251 or 252, and 400 and 408. (To qualify for graduate work, the student should have nine courses in history.)

(b) Five courses in one or two related departments.

(c) The senior comprehensive examination in history.

101. Western Civilization. The main cultural and political features of Ancient and Medieval Civilization.
First or Third term *Staff*

102. Western Civilization. A continuation of 101, but may be taken separately. Emphasis on the Renaissance, Reformation, Commercial Revolution and rise of national states through the Napoleonic era.
Second term *Staff*

103. Western Civilization. A continuation of 102, but may be taken separately. Emphasis on the main political, social and economic forces in Europe since 1815.
Third term *Staff*

251. American History, 1492-1865. A study of the main political, social and economic factors in the colonial, early national and Civil War periods.
First term *Mr. Davenport*

252. American History since 1865. A continuation of 251, but may be taken separately. Emphasis on Reconstruction, rise of big business, agrarian and labor movements and the United States as a world power.
Second term *Mr. Davenport*

290. Latin America. Emphasis on the independence movements and the

political and social development of the modern republics.
Third term *Mrs. Crow*

301. Modern China. Covers the period from 1800 to the present, with emphasis on the impact of the West on China.
Third term (not offered 1962-63)

302. Modern Japan. Social, economic and political development of modern Japan, with emphasis on the Japanese response to the problems posed by contacts with the Western world.
Second term (not offered 1962-63)

303. Modern India. A study of political, social and economic factors in modern India, with particular attention to British colonialism and the independence movement.
Third term (not offered 1962-63)

311. History of Greece. From the Minoan civilization through the Hellenistic period. Emphasis on the social, cultural and political development significant in the context of Western civilization. Not open to freshmen.
First term (not offered 1962-63)

312. History of Rome. An interpretation and evaluation of Roman civilization with special emphasis on the role of Rome in the founding of Europe. Not open to freshmen.
Second term (not offered 1962-63)

322. Medieval History. A study of medieval social and cultural life and its influence on later history. Prerequisite: History 101 or consent of instructor.
Third term (1962-63 and alternate years) *Mr. Spitz*

333. French Revolution and Napoleon. The ancient regime, the enlightenment of the eighteenth century, the revolution and rise of Napoleon. Prerequisite: History 102 or consent of instructor.
First term *Mrs. Crow*

334. Nineteenth Century Europe. A study of the industrial revolution, the growth of democracy, nationalism and imperialism from 1815 to 1890.
Second term *Mrs. Crow*

335. Twentieth Century Europe. An investigation of European history from 1890 to the present with emphasis on imperial and Nazi Germany as the focal point of European politics.
Third term (1962-63 and alternate years) *Mr. Davenport*

341. History of Great Britain. English political and social development from the fifteenth to the eighteenth century.
Second term (1963-64 and alternate years) *Mr. Spitz*

342. History of Great Britain. A continuation of 341 but may be taken separately. Growth of the Empire, the development of the modern parliament and political and social reform. England in the two world wars of the twentieth century.
Third term (1962-63 and alternate years) *Mr. Spitz*

344. Modern Russia. A study of the political, social and economic developments in Russia in the nineteenth and twentieth centuries. Emphasis on the period since 1856 with special attention to Marxian ideology.
Second term (1962-63 and alternate years) *Mr. Spitz*

351. History of American Culture. A study of American intellectual

and cultural growth from the colonial period to about 1910. Prerequisite: History 251-252 or consent of the instructor.
First term *Mr. Davenport*

353. Twentieth Century America. A study of the social and intellectual life of the United States from about 1910 to the present. Prerequisite: History 351 or consent of the instructor.
Second term *Mr. Davenport*

384. History of the South. A study in regional history. Emphasis on the social and economic life of the South from 1800 to 1880.
Third term (1963-64 and alternate years) *Mr. Davenport*

Seminars and Individual Study

400. Junior Seminar. Introduction to historical method and research. Individual projects. Required of all history majors in the junior year.
First term *Mr. Davenport*

402. Soviet Civilization. Individual projects in the political and cultural life of the USSR. Conducted on the seminar plan. Prerequisite: History 344.
Third term *Mr. Spitz*

404. Studies in American Civilization. (See also English 404 and Sociology 404). An integrated historical, social and cultural interpretation of life, thought and institutions in the United States since 1870. Individual projects. Open only to English, history and sociology majors selected by the chairmen of the three departments.
Third term *Mr. Davenport, Mr. Morrill, Mrs. Sanmann*

408. Senior Seminar. Individualized study in American or European history. Required of all history majors in the senior year.
Second term *Mr. Davenport*

MATHEMATICS

Paul Cramer, *Associate Professor, Acting Head*
James McAllister, *Associate Professor*
Fern Way Cramer, *Instructor*
Lyle Finley, *Professor*

Field of Concentration

(a) At least seven term courses with at least three of them numbered 300 or higher.

(b) Five related courses from one or two other subjects approved by the department. Courses numbered 100, 111, and 112 will not count towards a major.

100. Introduction to Mathematics. The number system, sets, axioms, classical and modern geometry, functions and graphs.
Each term *Staff*

111. College Algebra. Quadratic equations, simultaneous equations, progressions, theory of equations, etc.
First or second term *Mrs. Cramer*

112. Trigonometry. Trigonometric functions, logarithms, identities and

solution of triangles. Prerequisite: Mathematics 111 or equivalent.
Each term *Mrs. Cramer*

151. Analytic Geometry and Calculus. Fundamental ideas of functions, the straight line, the conics and an introduction to the concepts of calculus. Prerequisites: Mathematics 111 and 112 or equivalent.
First or second term *Mr. Cramer, Mr. Finley*

152. Analytic Geometry and Calculus. A continuation of 151.
First or second term *Mr. Cramer, Mr. Finley*

211. Mathematics of Finance. Interest, discount, annuities, amortization, sinking funds, bonds, depreciation, elements of actuarial science. Prerequisite: Mathematics 111 or equivalent.
First term

212. Elementary Statistics. A study of central tendency and variability; frequency, binominal, normal and chi-square distributions; correlation and regression; and analysis of variance and applications in related fields. Prerequisite: Mathematics 111.
Second term

232. Essentials of Mathematics. Fundamental operations with natural numbers, inequalities, decimal numbers, percentage, measurement, irrational numbers. For Education majors.
Third term

251. Calculus. Further study of the techniques of differentiation and integration with applications to physics and engineering. Prerequisite: Mathematics 152.
First or third term *Mr. McAllister, Mr. Cramer*

254. Differential Equations. An introduction to ordinary and partial differential equations and their applications. Prerequisite: Mathematics 251.
Second term *Mr. McAllister*

301. Advanced Calculus. Series, partial differentiation, definite integrals, Fourier series. Prerequisite: Mathematics 254.
Third term *Mr. McAllister*

309. Vector Analysis. The algebra of vectors, vector fields, vector operators, introduction to geometry, mechanics and electricity. Prerequisite or corequisite: Mathematics 254.
First term *Mr. McAllister*

311. Introduction to Modern Algebra. Rings, integral domains, fields, groups, determinants and matrices. Prerequisite: Mathematics 152.
First or second term *Mr. Cramer*

312. Introduction to Modern Algebra. A continuation of 311.
First or second term *Mr. Cramer*

315. Theory of Numbers. The properties of the whole numbers, divisibility, diophantine equations, prime numbers, congruences, residues, additive number theory. Prerequisite: Mathematics 152.
First term

316. College Geometry. Foundations of plane geometry, geometric constructions, use of loci, fundamental theorems, the harmonic range, systems of circles, inversion.
Third term

340. Probability. Random variables, binomial, Poisson and normal distributions, mathematical expectation. Prerequisite: Mathematics 212.
By special arrangement *Staff*

341. Functions of a Complex Variable. Series, conformal mapping, analytic functions, residues, complex integration. Prerequisites: Mathematics 301.
Third term *Staff*

403. Advanced Applied Mathematics. Ordinary differential equations, elementary set and matrix theory, hyperbolic functions, elliptic integrals, infinite series, Fourier series. Prerequisites: Mathematics 301 and 309.
Second term *Mr. McAllister*

404. Advanced Applied Mathematics. Gamma, Bessel and Legendre Functions, partial differential equations, vector analysis, probability and numerical methods, functions of a complex variable, operational calculus. Prerequisites: Mathematics 301 and 309.
Third term *Mr. McAllister*

421. Independent Study and Seminar. Selected topics in advanced mathematics. Prerequisite: Mathematics 301.
First or second term *Mr. McAllister*

422. Independent Study and Seminar. A continuation of 421.
First or second term *Mr. McAllister*

Astronomy 202. Introduction to Astronomy. A non-laboratory course dealing with basic facts and principles of astronomy.
By special arrangement *Staff*

Engineering 101. Engineering drawing and descriptive geometry. Use of instruments, orthographic projections, dimensioning, sectioning and pictorial drawing. Representation of points, lines, planes and curved surfaces with applications.
First or second term *Mr. Cramer*

Engineering 102. A continuation of Engineering 101.
First or second term *Mr. Cramer*

Engineering 203. Surveying. Plane and topographical surveying with field work in the use of tape, level and transit. Prerequisite: Mathematics 112 or equivalent.
Third term (1963-64 and alternate years)

Engineering 207. Analytic Mechanics. A continuation of Physics 208.
Third term *Mr. Cramer*

MODERN FOREIGN LANGUAGES

Dorothy Donald, *Professor of Spanish, Head*
Edwin Pleasants, *Associate Professor of Spanish*
Erika Blaas, *Assistant Professor of German*
Momcilo Rosic, *Assistant Professor of Russian*
Arturo Serrano, *Assistant Professor of Spanish*
Alexandra Kaminska, *Instructor in French*
Laurence Romero, Jr., *Instructor in French*
Christiane Zehl, *Instructor in German*

Field of Concentration

(a) Courses selected with the aid of a departmental counselor that cover the significant periods of the literature and other aspects of the spoken and written language. Evidence of ability to develop a given linguistic or literary subject involving research, organization and

critical judgment will be provided by at least one independent study course.

(b) For a departmental major in French, German, or Spanish, students must demonstrate by an oral and written examination a mastery of the language and comprehensive knowledge of the literature.

(c) Students are encouraged to participate in the foreign study program which provides for a summer, a term, or a year in a foreign country. Contacts in the past have been made with Universite Laval, Quebec; Mexico City College; National University of Mexico; the Sorbonne; Heidelburg; and Freiburg i. Br. Candidates for foreign study must be approved by the department and programs must be planned well in advance.

On the basis of placement examinations, recommendations for courses are made to students who wish to continue a language studied in high school. A proficiency examination provides a means of meeting the foreign language requirement for graduation.

French

101. Elementary. Introduction to spoken and written French. Attention to pronunciation with practice in using the language. Laboratory facilities provide authentic speech patterns. This course builds a foundation for reading the language.
First or second term *Staff*

102. Elementary. Introduction to spoken and written French. Attention to pronunciation with practice in using the language. Laboratory facilities provide authentic speech patterns. This course builds a foundation for reading the language.
Each term *Staff*

201. Intermediate. Selected readings of modern literature, with conversational approach. Continued emphasis on oral and written expression, aided by laboratory practice. Introduction to French contributions to the arts and sciences, illustrated by films, slides, tapes and discs.
Each term *Staff*

202. Intermediate. Selected readings of modern literature, with conversational approach. Continued emphasis on oral and written expression aided by laboratory practice. Introduction to French contributions to the arts and sciences, illustrated by films, slides, tapes and discs.
Second or third term *Staff*

299. Conversation and composition. Practice in fluent speech and correct writing, with discussions and oral and written reports from selected authors and French-language periodicals.
First term *Mr. Romero*

301. The Novel. Background of the French novel, followed by the interpretation and analysis of outstanding modern authors such as Balzac, Flaubert, Proust and Gide. Use of literary recordings. Alternates with 305.
Second term (1962-63 and alternate years) *Miss Kaminska*

305. Short Story and Essay. Study of: a) the French short story as a literary genre, represented by Maupassant and Anatole France; b) the essay, introduced by Montaigne and cultivated by La Bruyere; and c) criticism by Sainte-Beuve. Alternates with 301.
Second term (1963-64 and alternate years) *Miss Kaminska*

306. French Theatre. A study of the genres of French classical tragedy and comedy. Study and analysis of the works of Corneille, Racine, Moliere and Voltaire. Alternates with 307.
First term (1963-64 and alternate years) *Miss Kaminska*

307. French Theatre. Drama of the nineteenth and twentieth century playwrights including Hugo, Musset, Giraudoux, Camus and Sartre.
First term (1962-63 and alternate years) *Miss Kaminska*

308. Moliere. Reading, analysis and discussions of selected plays with emphasis on the classical aspects of language and style.
Third term (1962-63 and alternate years) *Mr. Romero*

319. Mediterranean Culture, 1500-1650. Aesthetic aspects of the Mediterranean world as reflected in literature, architecture, painting and sculpture. Correlation of historical background. Reading from French, Italian and Spanish literature in the original or in translation. Collaboration with the art and foreign language departments.
Second term (1963-64 and alternate years) *Miss Donald, Mrs. Hamilton*

320. Individual or Group Study. Specialized study, under guidance of the instructor, of certain aspects or periods of French literature, i.e., Medieval literature, the "Encyclopedists," French lyrics, memoirs and letters, contemporary literature.
Each term *Staff*

401. Independent Study. Individual research problems under guidance of the instructor.
Each term *Staff*

460. Methods of Teaching Modern Foreign Languages. Discussion, observation and practice in the field of foreign language teaching. Introduction to phonetics and linguistics. Attention given to teaching in elementary grades and practice with audio-visual aids.
Third term (1963-64 and alternate years) *Miss Donald*

Reading in the Field of Concentration. See Chemistry 404, Biology 401 and Physics 401. In such courses the department acts as consultant for French-language material.
By special arrangement *Staff*

German

101. Elementary. An introduction to the German language, with emphasis on pronunciation and comprehension. Laboratory practice supplements classroom instruction. A foundation for reading and writing the language.
First or Second term *Miss Blaas, Miss Zehl*

102. Elementary. An introduction to the German language, with emphasis on pronunciation and comprehension. Laboratory practice supplements classroom instruction. A foundation for reading and writing the language.
Second or third term *Miss Blaas, Miss Zehl*

201. Intermediate. Extensive reading of modern literature. Continued attention to written expression through diary, letter and essay writing; further practice in conversation through class and laboratory work. Acquaintance with essential aspects of German culture, through such media as monthly German newsreels.
First or third term *Miss Blaas, Miss Zehl*

202. Intermediate. Extensive reading of modern literature. Continued attention to written expression through diary, letter and essay writing;

further practice in conversation through class and laboratory work. Acquaintance with essential aspects of German culture, through such media as monthly German newsreels.
First or second term *Miss Blaas, Miss Zehl*

202S. Intermediate Scientific. Reading and discussion of scientific texts, biographies of scientists and a leading German newspaper. Use of German scientific films, tapes and discs (from Institut fur Film und Bild). Primarily for science majors.
First or second term (second term only 1962-63) *Miss Blaas*

299. Conversation and Composition. Concentrated training in fluent speech and correct writing. Practice with such material as book reviews and written and oral reports in the field of art and music.
Third term *Miss Blaas*

301. Introduction to the Study of German Literature. A study of the major works and movements in German literature from the Early Period to the Age of Enlightenment. Extensive use of phonograph records of the "literatur-archiv." Prerequisites: 201-202 or the equivalent.
First term *Miss Blaas*

302. Introduction to the Study of German Literature. A continuation of 301 concentrating on the Classical Period through the early twentieth century.
Second term *Miss Blaas*

320. Individual or Group Study. Specialized study, under guidance of the instructor, of certain aspects of German literature. Prerequisite: a 300 course or consent of the instructor.
Each term *Miss Blaas*

401. Independent Study. Individual research problems under guidance of the instructor. Preparation for studies in Germany.
Each term *Miss Blaas*

460. Methods of Teaching German. See French 460, Biology 401.
Third term upon request *Miss Blaas*

Reading in the Field of Concentration. See Chemistry 404, Biology 401 and Physics 401. In such courses the department of German acts as consultant for German-language material.
By special arrangement *Miss Blaas*

Spanish

101. Elementary. An introduction to Spanish as a spoken and written language. Regular practice in the classroom and laboratory in hearing and imitating current, realistic speech. Four-fold aim of speaking, comprehending, reading and writing the language.
First or second term *Staff*

102. Elementary. A continuation of 101.
Each term *Staff*

203. Intermediate. Continued emphasis on the spoken and written language, aimed toward adequate oral and written expression. Readings from modern literature, with analysis and interpretation. Acquaintance with cultural aspects of Spain and Spanish America.
Each term *Staff*

204. Intermediate. A continuation of 203.
Each term *Staff*

299. Conversation and Composition. Further development of fluency in handling the spoken and written language. Subject matter for practice includes literature, geography, current history and other phases of Hispanic civilization. Use of periodicals, records and tapes. Required of majors or substituted by proficiency test.
First or third term *Mr. Serrano*

305. Modern Spanish Literature. Brief studies of Spanish peninsular literature of the nineteenth and twentieth centuries. The first course deals with prose, emphasizing Perez Galdos, Generation of '98 and Ortega y Gasset. Alternates with 307 and 308.
First term (1962-63 and alternate years) *Miss Donald*

306. Modern Spanish Literature. A continuation of 305. The study of the Romantic movement in drama and poetry. Benavente, pre-civil war poets and contemporary poets and playwrights. Alternates with 307 and 308.
Second term (1962-63 and alternate years) *Miss Donald*

307. Spanish American Literature. A consideration of the search for identity of the rising Spanish American nations through their literature. The first course deals with prose, emphasizing such essayists as Rodo, Henriquez Urena, Vasconcelos and Alfonso Reyes. Alternates with 305 and 306.
First term (1963-64 and alternate years) *Mr. Pleasants*

308. Spanish American Literature. A continuation of 307 dealing with poetry and poetic prose, from Araucana epic to contemporary poets including Neruda, Borges and Torres Bodet. Alternate years with 305 and 306.
Second term (1963-64 and alternate years) *Mr. Pleasants*

315. Drama of the Golden Age. A study of selected plays of Lope de Vega, Calderon Tirso de Molina and Alarcon with analysis of dramatic structure and ideological concepts of the age. Prerequisite: 300 course. Alternates with 316.
Third term (1962-63 and alternate years) *Mr. Pleasants*

316. Cervantes. A study of Cervantes' masterpiece *Don Quijote,* in addition to the *Nevelas ejemplares.* Consideration of the life, character and milieu of the author. Prerequisite: 300 course. Alternates with 315.
Third term (1963-64 and alternate years) *Miss Donald*

319. Mediterranean Culture, 1500-1650. See French 319.

320. Individual or Group Study. Specialized study, under guidance of the instructor, of certain aspects or periods of Spanish and Spanish American literature; i.e.;, literature before 1500, Romancero, Picaresque Novel, Chronicles of the Spanish Conquest, Short Story and Essay, Novels of the Mexican Revolution, Contemporary Hispanic Ideology.
Each term *Staff*

401. Independent Study. Individual research problems under guidance of the instructor.
Each term *Staff*

460. Methods of Teaching Modern Foreign Languages. See French 460.
Third term (1963-64 and alternate years) *Miss Donald*

Reading in the Field of Concentration. In such courses the department of Spanish acts as a consultant for Spanish-language material.
By special arrangement *Staff*

Russian

101. Elementary. Introduction to the spoken and written Russian language. Emphasizes distinctive characteristics of the structure of the language. The laboratory affords drills in pronunciation and practice in listening, comprehending and speaking and facilitates the acquisition of an active and passive vocabulary and use of grammatical principles.
First term *Miss Kaminska*

102. Elementary. A continuation of 101 including simplified Reading of Chekhov.
Second term *Miss Kaminska*

201. Intermediate. Continued emphasis on the oral and written language through laboratory practice. Readings from Russian authors, with audio-visual aids, affording a broader acquaintance with the Russian language and its people.
Third term *Mr. Rosic*

202. Intermediate. A continuation of 201.
First term *Mr. Rosic*

320. Individual or Group Study. Specialized study, under guidance of the instructor, of certain aspects of literature and other fields of Russian culture.
Second term *Staff*

Reading in the Field of Concentration. See Chemistry 404, Biology 401 and Physics 401. In such courses the department acts as consultant for Russian-language material.
By special arrangement *Miss Kaminska*

MUSIC

Heimo A. Loya, *Professor, Head*
James Dunn, *Assistant Professor*
Elwood Ball, *Assistant Professor*
Paul Lyddon, *Instructor*
Grace Gawthrope Peterson, *Instructor*

It is the aim of the Music Department to provide:

1. Opportunities in performance and classwork for any student to develop an understanding and appreciation of music.
2. A four-year course for students whose interest leads them to concentrate in music as an end in itself or as preparation for graduate study and a professional career.
3. A four-year course which will comply with state requirements in both music and education for students who wish to become supervisors or teachers of music in elementary and secondary schools.

Field of Concentration

(a) A departmental unit of at least the following courses: Music 102, 103, 201, 202, 321, 322, and two courses in Applied Music (private lessons).

(b) At least five related courses chosen with the approval of the adviser.

NOTE: A general major should carry, in addition to the above, Music 203, 303, 401 and 402.

A student concentrating in performance should carry two additional courses in Applied Music: Music 203, 401 and 402.

A student preparing for certification in Music Education should carry 311, 312 and 313 or 303 and 314, and another course in Applied Music, as well as the necessary courses in the Education department.

101. Introduction to Music. This course is designed to develop an understanding of music through a study of musical materials, principles of organization and historical styles. Open to all students: those with little or no musical experience should enroll in Section A: prospective majors and those with considerable musical training, Section B.
Each term *Staff*

102. Theory of Music I. An approach to the elements of music — melody, harmony, rhythm and form — as employed during the functional harmonic period (eighteenth and nineteenth centuries) through the development of skills in hearing, singing, keyboard, writing and analysis.
Second term *Mr. Lyddon*

103. Theory of Music II. A continuation of Music 102.
Third term *Mr. Lyddon*

201. Theory of Music III. Advanced Harmony. A continuation of Music 103.
First term *Mr. Lyddon*

202. Theory of Music IV. Counterpoint. The principles of modern counterpoint. Analysis and composition of two- and three-part inventions.
Second term *Mr. Lyddon*

203. Canon and Fuge. A continuation of Music 202. Advanced study in contrapuntal writing, based on the analysis of the fugues of Bach. The use of fugal devices in classic and modern composition.
Third term (1962-63 and alternate years) *Mr. Ball*

301. Composition I. Creative work in small forms and for various mediums. Includes study and analysis of contemporary techniques. Individual study.
First term (1962-63 and alternate years) *Mr. Loya*

302. Composition II. Continuation of Music 301. Individual study.
Second term (1962-63 and alternate years) *Mr. Loya*

303. Orchestration. Study of the characteristics and potential of orchestral instruments, and of their combination in small groups and in the full orchestra. Arranging original compositions for musical groups on the campus. Individual study.
Third term (1962-63 and alternate years) *Mr. Loya*

311. Conducting. Principles and methods of conducting. Technique of the baton. Interpretive study of both choral and instrumental scores. Practical experience in conducting musical groups on the campus.
First term (1962-63 and alternate years) *Mr. Dunn*

312. Teaching Music in the Elementary Schools. Music fundamentals, teaching skills and actual teaching methods at different age levels. A comprehensive coverage of music requirements for prospective elementary

teachers with special emphasis on singing and functional piano technique.
Third term (1962-63 and alternate years)

313. Choral Techniques. Teaching and administration of vocal music in secondary schools. The general music program, the changing voice, instructional problems and materials for vocal ensembles and operetta production.
Second term (1962-63 and alternate years) *Mr. Dunn*

314. Instrumental Techniques. Teaching and administration of instrumental music in public schools. Techniques of group instruction, materials and equipment. Principles and methods of conducting school orchestras and bands, to include an intensive survey of the literature.
Third term (1963-64 and alternate years) *Mr. Loya*

321. History and Literature of Music I. Study of works, styles, and musical activity from earliest times to the sixteenth century, including the study of the relationship of the art to contemporary, social, cultural and political circumstances. Emphasis on aural appreciation of style, evolution throughout history. Primarily for music majors. Others with the consent of the instructor.
First term (1963-64 and alternate years) *Mr. Dunn*

322. History and Literature of Music II. Continuation of Music 321. From the sixteenth century to the present.
Second term (1963-64 and alternate years) *Mr. Dunn*

323. Twentieth Century Music. A study of the contemporary trends in music as manifested in the works of such composers as Stravinsky, Schoenberg, Prokofieff, Hindemith, Bartok, Copeland and Barber and an evaluation of the Jazz idiom. Designed to give students a background for intelligent appreciation and understanding of modern music. Prerequisite: 101 or consent of the instructor.
Third term (1963-64 and alternate years) *Mr. Dunn*

324. Sacred Music. Music specifically related to the Protestant church. Major sacred works from all periods are heard and discussed. A portion of the semester's work is devoted to a critical appraisal of the standard church repertory of anthems, larger choral works, organ literature and hymns. Provision is made in this part of the course for the student to pursue detailed studies pertinent to his major interest.
Second term (1963-64 and alternate years) *Mr. Ball*

Seminars and Individual Study

401. Seminar. Primarily for junior and senior majors in music. Areas of study will include topics of special interest to the student, with extensive independent reading and required weekly reports.
First term *Staff*

402. Independent Study. Research in an area of specialization. Open only to students completing a major in music.
Second or third term *Staff*

Applied Music

Private Lessons. Instruction in solo performance is offered on a uniform basis of one 30-minute individual lesson and one class meeting weekly, with a minimum of one hour's practice daily, for one-sixth credit each

term. Music majors may elect to combine two one-sixth units (on a basis of two half-hour lessons and a class period per week) with a minimum of two hours practice daily for one-third credit each term. No credit will be given until the equivalent of a full course has been completed.

Odd numbers indicate a one-sixth credit per term; even numbers, one-third credit.

Music 141 or 142	Organ	*Mr. Ball*
Music 241 or 242	Organ	*Mr. Ball*
Music 342	Organ	*Mr. Ball*
Music 442	Organ	*Mr. Ball*
Music 145 or 146	Piano	*Mr. Lyddon, Mrs. Peterson*
Music 245 or 246	Piano	*Mr. Lyddon, Mrs. Peterson*
Music 346	Piano	*Mr. Lyddon, Mrs. Peterson*
Music 446	Piano	*Mr. Lyddon, Mrs. Peterson*
Music 151 or 152	Voice	*Mr. Dunn*
Music 251 or 252	Voice	*Mr. Dunn*
Music 352	Voice	*Mr. Dunn*
Music 452	Voice	*Mr. Dunn*
Music 155 or 156	Orchestral Instruments	*Mr. Loya*
Music 255 or 256	Orchestral Instruments	*Mr. Loya*
Music 356	Orchestral Instruments	*Mr. Loya*
Music 456	Orchestral Instruments	*Mr. Loya*

Musical Organizations

254. College Choir. Registration by permission of the instructor. Attendance at choral society rehearsals required. (one-sixth credit each term)
Mr. Dunn

255. College Choir. A continuation of 254 (one-sixth credit each term).
Mr. Dunn

256. College Choir. A continuation of 255 (one-sixth credit each term).
Mr. Dunn

261. Orchestra. A laboratory course in the theory and practice of orchestral and chamber music. (one-sixth credit each term)
Mr. Loya

262. Orchestra. A continuation of 261 (one-sixth credit each term).
Mr. Loya

263. Orchestra. A continuation of 262 (one-sixth credit each term).
Mr. Loya

264. Chorale. Limited to 16 voices. Registration by permission of the instructor. (one-sixth credit each term)
Mr. Dunn

265. Chorale. Continuation of 264 (one-sixth credit each term).
Mr. Dunn

266. Chorale. A continuation of 265 (one-sixth credit each term).
Mr. Dunn

267. Symphonic Wind Ensemble. Registration by permission of the instructor. (one-sixth credit each term)

Mr. Loya

268. Symphonic Wind Ensemble. A continuation of 267 (one-sixth credit each term).

Mr. Loya

269. Symphonic Wind Ensemble. A continuation of 268 (one-sixth credit each term).

Mr. Loya

(No credit will be given until the equivalent of a full course has been completed.)

PHILOSOPHY

SAMUEL M. THOMPSON, *Professor, Head*

Field of Concentration

(a) A departmental unit of at least seven terms in philosophy including either 301, 302 or 303, 304 and two terms of independent study.

(b) Five related courses chosen from one or two fields with the approval of the adviser.

101. Introduction to Philosophy. An introduction to the general field and methods of philosophy, and the basic problems in the philosophy of science and the philosophy of man and human culture.
Each term

102. Introduction to Logic. A study of logical relations with special emphasis upon the development of skill in the logical control and evaluation of thinking.
Second or third term

210. Advanced Logic. Techniques of symbolic logic and problems of logical theory. Prerequisite: Philosophy 101.
First term

213. Philosophy of Religion. A study of philosophical problems raised by basic religious beliefs and concepts. Open without prerequisite to all students except freshmen. This course is also listed under the Department of Bible and Religion, and may be used to satisfy Bible and Religion requirements.
First term

301. Greek and Medieval Philosophy. A study of the development of Greek and medieval philosophy, with emphasis on Plato, Aristotle, Augustine and Thomas Aquinas. Special attention will be given to the historical roots of contemporary problems. Open to juniors and seniors.
First term (1962-63 and alternate years)

302. Modern Philosophy. A continuation of 301, but may be taken by students who have not had 301. A study of the major philosophers from the Renaissance to the present century. Open to juniors and seniors.
Second term (1962-63 and alternate years)

303. Ethics. An analysis of basic moral concepts and a study of their application in personal choice and decision, and of the principal historical and contemporary ethical theories. Open to juniors and seniors.
Second term (1962-63 and alternate years)

304. Political Philosophy. Theories concerning the nature of the state, the nature of law, the authority of the state and political obligation. A comparison of competing political philosophies. Open to juniors and seniors.
Third term

305. Contemporary Philosophy. Twentieth century philosophy, its roots in nineteenth century thought, and present issues in Anglo-American and European philosophy. Prerequisite: Philosophy 301 and 302, or consent of the instructor.
Third term (1962-63 and alternate years)

306. Oriental Philosophy. A study of the chief schools of thought of China and India, and their influence throughout the Orient. Philosophy 301 and 302 or consent of the instructor.
Third term (1963-64 and alternate years)

315. Aesthetics. A study of values in literature, music, painting and other arts, with special attention to the relation of aesthetic experience and judgment to scientific and religious thought. Open to juniors and seniors.
Second term (1963-64 and alternate years)

316. Philosophy of Science. The nature of scientific knowledge, and development of modern scientific concepts and the relation of science to other methods of inquiry and areas of knowledge. Prerequisite: Philosophy 102.
Third term

Seminars and Individual Study

Each philosophy major is expected to take at least two individual study courses during each of the junior and senior years. Other juniors and seniors who have satisfied the prerequisites may be admitted to these courses by permission of the instructor.

401. Philosophy Seminar. A study of philosophical methods as exemplified in the work of selected philosophers. Prerequisite: four courses in philosophy.
First term

405. Philosophy of Education. Theories and basic concepts of education in relation to general philosophical issues. Seminar or independent study. Prerequisites: Philosophy 301, 302.
By special arangement

406. Philosophy of History. A study of theories concerning the nature of historical knowledge and an examination of their assumptions. Seminar or independent study. Prerequisite: Philosophy 301, 302.
By special arrangement

411. Junior Independent Study. Individual reading, reports and papers in areas of special interest to the student. Prerequisite: four courses in philosophy.
Second term

412. Junior Independent Study. A continuation of 411.
Third term

421. Senior Independent Study. Continuation of Philosophy 411 and 412, culminating normally in the preparation of a senior thesis. Prerequisite: Philosophy 412.
Second term

422. Senior Independent Study. A continuation of 421.
Third term

PHYSICAL EDUCATION

ROBERT WOLL, *Associate Professor, Head*
CHARLES LARSON, *Associate Professor, Director of Athletics*
JOE PELISEK, *Assistant Professor*
MARCIA SEBERN, *Instructor*
MARJORIE NIBLOCK, *Instructor*

The Physical Education Department aims to provide opportunities for students to grow in an environment that is physically stimulating; socially, emotionally and morally beneficial. This is accomplished by providing activities for every interest and all ranges of ability to satisfy recreational needs both now and for the future under competent guidance.

The curriculum in physical education for men and women is designed to prepare students for teaching physical education, health, safety, coaching athletics and intramural sports and directing recreational activities.

Field of Concentration

(a) A departmental major of at least seven term courses chosen from the department, including the following courses: 202, 303, 305, 309, 455.

(b) Courses totaling at least three terms in biology, consisting of Biology 101, 102, and 201 or 305. Sufficient hours in education and psychology to satisfy state requirements for teachers of physical education. Consult the Education Department.

(c) Related courses totaling at least five terms chosen from one or two subjects which the student is preparing to teach, after consultation with the adviser.

(d) Majors in physical education are required to enroll in 12 terms of service classes numbered 100.

(e) A minor in the field of physical education must complete five term courses including 305.

Intercollegiate Athletics

Intercollegiate competition is carried on in baseball, basketball, cross-country, golf, swimming, tennis, track and wrestling.

College Requirement

Freshmen and sophomores are required to complete six terms of satisfactory work in physical education (in courses numbered 100-190) unless excused. Individual exemptions from this requirement for a term at a time will be made by the director of the college health service for medical reasons. Passing a swimming test or receiving credit for a swimming course is a graduation requirement for all students.

A maximum of six term courses in Physical Education (100-190) will be counted towards graduation.

199. Principles and History of Physical Education. An introductory course in the fundamentals of physical education. Primarily for students intending to go into the field of physical education. Covers the problems

of the field as well as the philosophy, aims and objectives of physical education. Includes historic development of physical education, including contributions of the various great cultures.
Second term *Mr. Pelisek*

202. Teaching of Rhythmic Activities. Designed to prepare men and women physical education majors to teach folk, square and social dance in the junior and senior high school.
Third term *Miss Sebern*

210. Anatomy and Physiology. A study of the structure and function of the human body with specific consideration to normal muscular activity.
Second term (1963-64 and alternate years) *Mrs. Niblock*

220. Methods of Physical Education in the Elementary School. Methods of teaching physical education in elementary grades with specific emphasis on program content.
First or second term *Miss Sebern*

300. Men's — Methods of Coaching and Management of Interscholastic Sports. Lectures and demonstrations in the fundamentals of football, basketball, track and wrestling. Management of athletics, team play in interscholastic sports and treatment of injuries is stressed. Intended to aid students who plan to coach in high schools.
First term *Staff*

301. Men's — Methods of Coaching and Management of Interscholastic Sports. A continuation of 300.
Second term *Staff*

302. Men's — Methods of Coaching and Management of Interscholastic Sports. A continuation of 301.
Third term *Staff*

303. Methods and Analysis of Teaching Physical Education Activities. Principles and techniques of teaching physical education activities with particular emphasis on the analysis of individual and team sports.
First term (1962-63 and alternate years) *Staff*

304. Methods and Analysis of Teaching Physical Education Activities. A continuation of 303.
Second term (1962-63 and alternate years) *Staff*

305. Organization and Administration of Physical Education in the Secondary Schools. The philosophy of physical education and organization of a high school physical education program. For teachers, supervisors and administrators of physical education and athletics in the public schools.
First term *Staff*

309. Correctives and Kinesiology. A study of the human body with respect to injuries most likely to occur in physical education classes and interscholastic athletics. Analysis of human motion, mechanically and anatomically, to include practical body mechanics, corrective exercising and postural training.
Second term (1962-63 and alternate years) *Mrs. Niblock*

400. Independent Study. Individual research problems under guidance of the instructor.
By special arrangement *Staff*

455. Methods and Curriculum of Health Education. For those responsi-

ble in any way for health instruction in the public school. Special consideration given to the selection of material and methods of instruction in establishing primary health habits. Emphasis will be given to drawing up a course of study which will be in line with the Illinois Health and Physical Education law.

Third term *Staff*

Physical Education Service Classes

These classes are designed to meet the college requirement in Physical Education. Instruction is given in fundamental skills, techniques and participation in individual sports and team games.

100. Freshman Football
101. Varsity Football
102. Freshman Basketball
103. Varsity Basketball
104. Freshman Track
105. Varsity Track
106. Basketball
107. Touch Football
108. Archery
109. Wrestling
110. Handball
111. Physical Fitness
112. Folk and Square Dance
113. Freshman Swimming
114. Varsity Swimming
115. Beginning Golf
116. Freshman Baseball
117. Varsity Baseball
118. Skating
119. Beginning Tennis
120. Advanced Tennis
121. Freshman Cross Country
122. Varsity Cross Country
123. Freshman Wrestling
124. Varsity Wrestling
125. Beginning Bowling
126. Advanced Bowling
127. Freshman Tennis
128. Varsity Tennis
129. Volleyball
130. Beginning Swimming
131. Softball
132. Intermediate Swimming
133. Freshman Golf
134. Varsity Golf
135. Advanced Swimming
136. Badminton
137. Trampoline
138. Social Dance
139. Modern Dance
140. Basic Movements
141. Tumbling
142. Soccer
143. Hockey
144. Advanced Physical Fitness
160. Advanced Golf
165. Life Saving
181. Basic Rifle
182. Advanced Rifle
190. Water Safety Instructors' Course

PHYSICS

LYLE W. FINLEY, *Professor, Head*
JAMES H. MCALLISTER, *Associate Professor*
PAUL CRAMER, *Associate Professor*

Field of Concentration

(a) A departmental major of at least seven term courses including three courses numbered above 300.

(b) Five related courses chosen from one or two departments and approved by the physics department.

101. General Physics. Fundamentals of mechanics, heat and sound. Four class meetings and one laboratory period per week. Corequisite:

Mathematics 151.
First term *Mr. Finley*

101e. General Physics. Fundamentals of mechanics, heat and sound. Four class meetings and one laboratory period per week. Prerequisite: three years of high school mathematics or concurrent registration in college mathematics.
First term

102. General Physics. Fundamentals of electricity and magnetism. A continuation of Physics 101. Corequisite: Mathematics 152.
Second term *Mr. Finley*

102e. General Physics. Fundamentals of electricity and magnetism. A continuation of Physics 101e.
Second term

103. General Physics. Fundamentals of optics and atomic physics. A continuation of Physics 101, 102. Prerequisite: Physics 102, Mathematics 152. (Students who have finished 102e may be admitted to Physics 103 with the consent of the instructor provided they have adequate mathematical background. These students will be required to perform extra work.)
Third term *Mr. Finley*

207. Analytic Mechanics. Statics, coplanar forces in space, centroids, center of gravity, friction, moment of inertia, introduction to dynamics. Prerequisites: Mathematics 152, Physics 103.
First term *Mr. Cramer*

208. Analytic Mechanics. Dynamics, rectilinear motion, curvilinear motion and rotation, work, energy and power, dynamics of rotating bodies, plane motion, impulse, momentum and impact. Prerequisites: Physics 207, Mathematics 251.
Second term

209. Electronics. Electron dynamics, emission, space charge, vacuum tubes and circuit analysis, amplifiers, voltage multiplication, feedback, noise, oscillators. Four class meetings and one laboratory period each week. Prerequisite: Physics 102 or 102e; Physics 103 recommended.
First term *Mr. McAllister*

301. Light. Geometric and physical optics. Reflection, refraction, optical instruments, interference, diffraction, dispersion, polarization, laws of radiation, atomic and molecular spectra. Prerequisites: Physics 103, Mathematics 251.
Third term *Mr. Finley*

303. Electricity and Magnetism. An intermediate course in principles of electricity and magnetism and electrical measurements. Four class meetings and one laboratory period per week. Prerequisites: Physics 103, Mathematics 254, 309.
Second term *Mr. McAllister*

304. Electricity and Magnetism. A continuation of the study of the principles of electricity and magnetism. Prerequisite: Physics 303.
Third term

305. Thermodynamics. An introductory course in the principles of thermodynamics. Prerequisites: Physics 103. Mathematics 251.
First term *Mr. Finley*

308. Atomic Physics. Properties of fundamental particles, atomic energy levels, excitation and emission phenomena, X-ray spectra, periodic arrangement of atoms, radioactivity, isotopes, nuclear structures, transmutations. Prerequisites: Physics 103, Mathematics 251.
Second term *Mr. Finley*

309. Vector Analysis. See Mathematics 309.

310. Electronics. An intermediate course in electronics. Prerequisites: Physics 209, Mathematics 254.
Third term (1963-64 and alternate years)

311. Theoretical Physics. Various topics including the special theory of relativity and an introduction to quantum mechanics. Prerequisites: Physics 208, Mathematics 254.
Third term

401. Seminar. Special topics in physics. Prerequisite: six courses in physics.
By special arrangement *Staff*

403. Advanced Applied Mathematics. See Mathematics 403.

404. Advanced Applied Mathematics. See Mathematics 404.

410. Independent Study. Special topics in advanced theoretical or experimental physics. Prerequisite: seven courses in physics.
First term *Staff*

PSYCHOLOGY

HAROLD J. RALSTON, *Professor, Head*
THOMAS J. ERWIN, *Assistant Professor*

Field of Concentration

(a) A departmental unit of at least seven term courses in psychology including 212, 221, 222 and either 311 or 401, together with necessary preliminary courses in biology and mathematics. Work in physics including sound and light is strongly recommended.

(b) Five courses chosen from one or two related fields with the approval of the adviser. Suggested fields include biology, sociology, philosophy and mathematics.

212. Elementary Statistics. (See Mathematics 212).

221. General Psychology. Introductory study of the fundamental types of experience and behavior. Open to upperclassmen and third-term freshmen. Prerequisite to all other courses in psychology.
First or third term *Staff*

222. Experimental Method. Introduction to methodology in psychology. Statistics, experimental design and theory construction are presented, discussed and implemented in the laboratory.
Second term *Mr. Erwin*

223. Abnormal Psychology. Personality disorders and maladjustments, with discussion of the clinical approach to psychotherapy.
Second term (1962-63 and alternate years) *Mr. Ralston*

225. Developmental Psychology. Principles of development through childhood and adolescence stressing maturation, concept formation, learning, the concept of readiness and developmental schedules.
First term *Mr. Erwin*

301. Perception. The psychology of sensation and perception. Comparative and physiological data in sensation. Laboratory.
Third term (1962-63 and alternate years) *Staff*

302. Motivation. A survey of how motivation acts to produce behavior. Includes discussion of primary and secondary drive, hierarchy, and emotional theories of motivation. Laboratory.
Second term (1962-63 and alternate years) *Mr. Erwin*

303. Abilities. A study of human abilities and their measurement and the nature and factors involved in individual differences. Laboratory.
Third term (1963-64 and alternate years) *Staff*

304. Social Psychology. The relation of personality to society and culture. Attention is given to the psychological aspects of human conflict and mass behavior.
Second term (1963-64 and alternate years) *Mr. Ralston*

305. Learning. The process and principles of learning. Includes experimental findings, theories and applications in the educational field. Laboratory.
Second term (1962-63 and alternate years) *Mr. Erwin*

306. Cognition. A study of the more complex phenomena in behavior, such as concept formation, symbolic processes, thought and language, decision making and creative processes. Laboratory.
Third term (1962-63 and alternate years) *Mr. Erwin*

309. Problems in Personality. A study of the history and systems of psychology as they relate to the nature of human personality.
By special arrangement *Staff*

311. Seminar. Assigned readings, oral and written reports and group discussion on pertinent problems in psychology. Open to majors or those who have had five courses in the field.
By special arrangement *Staff*

401. Independent Study. Directed individual study on selected topics in psychology. Weekly written reports and conferences. Required of students majoring in psychology.
By special arrangement *Staff*

402. Independent Study. A continuation of 401.
By special arrangement *Staff*

403. Advanced Experimental Psychology. A detailed survey of the data, theories and methods of psychology. Basic areas of the curriculum are integrated to attempt to present a unified view of psychology. The laboratory is devoted to original research or repetition of previous experimentation of questionable validity.
By special arrangement *Staff*

404. Advanced Experimental Psychology. A continuation of 403.
By special arrangement *Staff*

SOCIOLOGY

MADGE STEWART SANMANN, *Professor, Head*
IRENE KISTLER, *Instructor*

Field of Concentration

(a) One sociology course at the sophomore level, Sociology 301, and 401 or 402.

(b) Courses selected from those numbered 300 or above.

Anthropology 201. Introduction to Anthropology. Brief review of prehistoric race, language and culture, economic and social institutions, religion, art, attitudes and values of native peoples.
First term

Sociology 203. Societies Around the World. A comprehensive, systematic study of the chief types of societies, ranging from the primitive to the advanced industrial, in the major habitats of the world. One society is compared with another as a whole and specifically in terms of the origin of the people, their physical environment, economic system, government, religion, family life, social organization, structure, ideology and socio-cultural change.
Second term

206. The Family. A study of the family as a social institution: its forms, functions, development, organization, factors of disorganization and trends.
First term

301. Introduction to Sociology. Introductory analysis and description of the structure and dynamics of human society. Application of scientific methods to the observation and analysis of composition, social norms, group behavior, social stratification, social institutions and social change.
First term

302. Social Problems. Introductory survey of sociological aspects of important modern social problems. Emphasis on social interrelationship and cultural differences involved in their genesis, significance and amelioration or prevention. Library reading and special reports. Prerequisite: Sociology 301 or consent of instructor.
Second term

304. Home and Family Life. Analysis of psychological and sociological aspects of home and family life. Consideration of necessary early adjustments to significant interpersonal changes basic in the achievement of companionship and emotional interdependence. The development of economic insight, planning and management basic in the economic contribution to family cohesion. Emphasis on individual fulfillment and family unity. Prerequisite: Sociology 206 or consent of instructor.
Second term

305. Population in Transition in the United States: Demography. A study of the composition, distribution, movements and cultural patterns of population and ethnic groups in the United States and its various regions. Attention given to scientific analysis of problems and trends.
First term

306. Social Stratification. System of social ranking with emphasis on class structure of the United States; power, prestige and privilege as related to class differences; the culture and styles of life in different classes,

status as determinant of personality, interaction and development; effect of social change and mobility. Prerequisite: Sociology 301.
Second term

308. Sociology of the Community. Nature, structure and functions of various types of communities; their characteristics, group relations and social institutions (home, school, church, government, health, wealth, leisure); modern trends molding rural and urban life. Attention is given to methods of modern redevelopment. Prerequisite: Sociology 301, 302, and/or 305.
Third term (1962-63 and alternate years)

310. Crime and Delinquency. The nature, extent and explanations of crime and delinquency; historical development of criminological thoughts, modern approaches and methods; a review of the theories of treatment and evaluation of programs for prevention and rehabilitation. Prerequisite: Sociology 301.
Third term

312. Racial Tensions and Cultural Conflicts. A survey of racial and cultural conflicts in contemporary civilization; theories of race and culture; relations between racial and cultural groups in specific situations in strategic areas of the world; the status of racial, religious and ethnic minorities in the United States; organizations, programs and social movements designed to improve intergroup relationships. Prerequisite: Sociology 201 and 302.
Second term

314. Introduction to Social Work. A survey of the field of social work. Historical development of social work concepts and philosophy; the present system and organization of social welfare and administration; the role of social work in contemporary society. Prerequisite: Sociology 206, 301, 302.
Third term

315. Mental and Physical Health in Family Living. The mental hygiene approach to tensions, conflicts and crises in the development of family living. Fundamental principles of human nutrition. Selection of diet to meet nutritional needs of children (infancy through adolescence), adults and elderly members of the family. Prerequisite: Sociology 206 or consent of instructor.
Third term

316. Social Change. The implications of science and technology for social change; effects of innovation upon social relationships; theories of social change, social effects of major inventions; a cross-cultural analysis of the processes of "industrialism." Prerequisite: Sociology 301 and 305.
Third term

401. Seminar. Reading and research designed to give a background in historical development, information concerning leaders, techniques and procedures, principles, projects and practices in original field research. Oral and written work required. Open to sociology majors or with the consent of the instructor.
By special arrangement

402. Independent Study. Introduction into an individual problem in a subject of interest to the student. Practice in library research, the use of specific research techniques and procedures and field research. Oral and written work is required. Open to Sociology majors or with the consent of the instructor.
Second term

404. Studies in American Civilization. (See also English 404 and History 404). An integral historical, social and cultural interpretation of life, thought and institutions in the United States from 1870 to the present. Conducted on the seminar plan. Prerequisite: open to sociology majors; seniors, or with consent of the instructor and Sociology 401 or 402. English or history majors consult their advisers.
Third term

405. Contemporary Society: Russia. Description and analysis of social, economic and political life against a background of geography, population and development; values and ideology; family and education; communication and public opinion; background place in modern world. Open only to seniors.
(1962-63 and alternate years)

406. Contemporary Society: Cultures of the Far East. The peoples, cultures, economy, religious life, government organization, family life, social organization, ideology and socio-cultural change and development. Open only to seniors.
(1962-63 and alternate years)

407. Contemporary Society: South America. A survey of the cultures of South America emphasizing the types and variety of societies, their characteristic features and changes that have taken place. Attention is given to contemporary social, economic and political problems. Open only to seniors.
(1963-64 and alternate years)

408. Contemporary Society: Africa. A survey of the cultures of Africa and patterns of behavior associated with them. Selected aspects of social and cultural change; consequences of commercialization of land and labor; consequences of Western education; emergent forms of stratification and race relations. Open only to seniors.
(1963-64 and alternate years)

409. Contemporary Society: The Near East. Survey of one or more major areas in terms of regional developments and historical and modern social problems. Open only to seniors.
(1963-64 and alternate years)

SPEECH

JEAN LIEDMAN, *Professor, Head*
PARKER ZELLERS, *Assistant Professor (on leave)*
PAUL GRAY, *Instructor*
BROOKS MCNAMARA, *Instructor*

Field of Concentration

(a) A departmental unit of at least seven courses in addition to Speech 101, including 210, 221, 303, 316, 351 and 403.

(b) At least five related courses.

(c) Performance in dramatic production and/or intercollegiate forensics.

101. Fundamentals of Oral Communication. Designed to help the student acquire knowledge and skill in selecting and evaluating speech materials, organizing and phrasing ideas, developing effective control of voice and action and evaluating public speeches.
Each term *Staff*

102. Advanced Public Speaking. A continuation of Speech 101. Principles of persuasion, speaking for special occasions and parliamentary law.
Third term *Mr. Gray*

204. Radio Speech. The history and development of radio and television and their influence on society. Prerequisite: Speech 102 and sophomore standing or consent of the instructor.
(1963-64 and alternate years) *Mr. Gray*

215. Debate Seminar. Open only to those who have won a place on the intercollegiate debate squad. Fractional credit.
By special arrangement *Mr. Gray*

221. Interpretative Reading. Theory and skill of reading prose and poetry aloud.
First term *Mr. Gray*

303. Discussion and Debate. The theory of argumentation and the application of it to various forms of discussion and debate. A study of evidence, reasoning, fallacies and briefing. Directed discussions, symposiums, panel discussions and team debating. Prerequisite: Speech 102, or consent of the instructor.
First term (1962-63 and alternate years) *Mr. Gray*

315. Oration Seminar. Open only to those who have won a place on the intercollegiate debate squad.
By special arrangement *Mr. Gray*

322. Advanced Interpretative Reading. Reading of advanced prose and poetry, dramatic poetry, classical literature and modern drama. Prerequisite: Speech 221.
Second term (1962-63 and alternate years) *Mr. Gray*

351. Scientific Bases of Speech. An introduction to voice science and phonetics.
(1963-64 and alternate years) *Miss Liedman*

352. Introduction to Speech Correction. A study of the process of normal speech development and the causes and treatment of various speech disorders.
(1963-64 and alternate years) *Miss Liedman*

401. Independent Study. An individual program of reading and research under the guidance of the instructor.
By special arrangement *Staff*

403. Senior Seminar. Reading and discussion designed to co-ordinate the fields of public address, theatre arts and speech science.
By special arrangement *Staff*

410. Independent Study. A continuation of 401.
By special arrangement *Staff*

Theatre Arts

135. Freshman Workshop. A laboratory course in theatre practice, preparatory to membership in Crimson Masque (dramatic organization). Students learn the rudiments of theatre practice under the supervision of Crimson Masque personnel and the faculty director. Production will consist of two or three one-act plays, directed by the students. No fee is charged for this course and no credit is given, but if a student does satis-

factory work he may become a member of Crimson Masque and register for a course in dramatics.
First term *Mr. McNamara*

136. Freshman Workshop. A continuation of 135.
Second term *Mr. McNamara*

137. Freshman Workshop. A continuation of 136.
Third term *Mr. McNamara*

210. Introduction to Theatre Arts. A reading course designed to introduce the beginning student to basic theatre theory and practice through investigation of selected writings in dramatic theory and criticism, acting, directing and the technical fields of stagecraft and scenic design.
Second term *Mr. McNamara*

215. Stagecraft and Scenic Design. A textbook study of the technical and design elements of the dramatic production, combined with practical exercises in drafting, scenic design, stage lighting, costuming and makeup. A final project allows all students in the course to create a detailed and complete set of plans and designs for a stage production. The work of particularly gifted students may be incorporated into productions of the Monmouth College Theatre.
(1963-64 and alternate years) *Mr. McNamara*

235. Dramatics. Open to students who have satisfactorily passed the probationary requirements of Freshman Workshop and others who may be admitted by special permission of faculty director and Crimson Masque officers. Participation in the production of plays for public performance: acting, work on stage, property, lighting, publicity, makeup, costume and house committees. Fractional credit.
First term *Mr. McNamara*

236. Dramatics. A continuation of 235.
Second term *Mr. McNamara*

237. Dramatics. A continuation of 236.
Third term *Mr. McNamara*

311. Development of the Theatre. A survey of the growth and development of the theatre from prehistoric times to the present. Emphasis on the development of the physical theatre and history of acting and directing. Collateral reading and reporting on representative plays insures the integration of all material with courses in dramatic literature offered by the department of English.
(1963-64 and alternate years) *Mr. McNamara*

316. Principles of Directing. A course designed to introduce the beginning student of directing to the practical and theoretical aspects of his art. Readings from the great directors and writers on stage direction are combined with exercises in play analysis, movement, blocking and other tools of the stage director in order to prepare the student for more advanced work in the field of directing.
(1962-63 and alternate years) *Mr. McNamara*

335. Dramatics. Continuation of Dramatics 237. Fractional credit.
First term *Mr. McNamara*

336. Dramatics. A continuation of 335.
Second term *Mr. McNamara*

337. Dramatics. A continuation of 336.
Third term *Mr. McNamara*

435. Dramatics. Continuation of Dramatics 337. Fractional credit.
First term *Mr. McNamara*

436. Dramatics. A continuation of 435.
Second term *Mr. McNamara*

437. Dramatics. A continuation of 436.
Third term *Mr. McNamara*

445. Directing. Production of a play as a laboratory performance or for the public. Prerequisite: 316. Fractional credit.
By special arrangement *Mr. McNamara*

Divisions of the Faculty

For purposes of administration the departments of the faculty are grouped into three divisions, as follows:

I. Humanities
- Art
- Bible and Religion
- The Classics
- English
- History
- Modern Languages
  - French
  - German
  - Russian
  - Spanish
- Music
- Philosophy
- Speech

II. Social Sciences
- Economics
- Education
- Government
- Physical Education
- Psychology
- Sociology

III. Natural Sciences and Mathematics
- Biology
- Chemistry
- Geology
- Mathematics
- Physics

OFFICERS OF INSTRUCTION

Gibson, Robert W. 1952*

President. A.B., Muskingum College, 1918; B.D., Pittsburgh Theological Seminary, 1921; D.D., Westminster College, 1934; LL.D., Sterling College, 1951; Litt.D., Maryville College, 1957; Ped.D., Bradley University, 1959; Ohio State University, summer, 1918.

Aduddell, Robert 1961

Instructor in Economics and Business Administration. B.A., Drake University, 1955; Northwestern University, 1958-1961.

Ball, Elwood H. 1953

Assistant Professor of Music and Dean of Men. B.Mus., University of Michigan, 1947; M.Mus., ibid., 1952; summer sessions, ibid., 1947-49; University of Michigan, 1950-1953; ibid., Teaching Fellow, 1951-1953.

Beatty, Newell M. 1956

Assistant Professor of Economics and Business Administration. B.S., Tarkio College, 1921; M.B.A., Harvard University, 1925; Indiana University, summer, 1960; University of Wisconsin, summer, 1961.

*Joined Monmouth College faculty

Blaas, Erika 1956
Assistant Professor of German. Ph.D., University of Innsbruck, Austria, 1949; Fulbright Fellow, University of Wisconsin, 1950-1951; Karls Universitat, Prague, 1943-1944; Universitat Graz, Austria, 1945-1947.

Blum, Harlow B. 1959
Instructor in Art. B.A., University of Illinois, 1956; M.A., Michigan State University, 1959.

Bowman, Milton Lee 1959
Assistant Professor of Biology. B.S., University of Louisville, 1951; M.A., University of Missouri, 1954; Ph.D., University of Missouri, 1959.

Bradford, Anne Mayor 1950
Librarian and Associate Professor. A.B., Monmouth College, 1935; B.S. in L.S., University of Illinois, 1948; University of Iowa, summer, 1930.

Buchholz, Robert H. 1950
Associate Professor of Biology. B.S., Fort Hays State College, 1949; M.S., Kansas State College, 1950; Ph.D., University of Missouri, 1957.

Cleland, Eva H. 1923; 1951
Professor of English. A.B., Washington State College, 1919; A.M., ibid., 1925; University of California, summer, 1928; University of Michigan, summer, 1932; University of Chicago, summer, 1933; Cambridge University, summer, 1936; Columbia University, summer, 1953, 1958; University of California, summer, 1959.

Cramer, Fern Way 1946, 1957
Instructor in Mathematics. B.S.E., University of Arkansas, 1931; University of Illinois, summers, 1927-29.

Cramer, Paul 1946
Associate Professor of Mathematics and Engineering. A.B., Illinois College, 1925; M.A., University of Illinois, 1926; University of Chicago, summers, 1932-33.

Crow, Mary Bartling 1946
Assistant Professor of History. A.B., Monmouth College, 1941; Ph.M., University of Wisconsin, 1945; ibid., summer, 1942.

Davenport, Francis Garvin 1947
Professor of History and Director, Summer Session. A.B., Syracuse University, 1927; A.M., ibid., 1928; Ph.D., Vanderbilt University, 1936; Fellow, University of Illinois, 1928-1930; Fellow, Vanderbilt University, 1936; Social Science Research Council Fellow, 1941-1942.

Donald, Dorothy 1932
Professor of Spanish. A.B., Indiana University, 1921; A.M., ibid., 1929; Ph.D., University of Wisconsin, 1941; Middlebury College, summer, 1923; Centro de Estudios Historicos, Madrid, 1929-1930; Universidad Nacional de Mexico, summer, 1935; Universite Laval, Quebec, summers, 1952, 1958; Universidad Internacional Santander, summer, 1959.

Dunn, James P. 1954
Assistant Professor of Music. B.S., Bowling Green University, 1949; A.B., ibid., 1949; M.Mus., University of Michigan, 1952; ibid., summers, 1952, 1953; University of Iowa, summers, 1957, 1958; State University of Iowa, 1959-60.

Erwin, Thomas 1961
Assistant Professor of Psychology. A.B., Missouri Valley College, 1950;

M.A., University of Missouri, 1956; University of Kansas City, 1953, 1956; University of Missouri, 1959-1960.

Finley, Lyle W. 1931
Professor of Physics. A.B., Monmouth College, 1924; A.M., University of Illinois, 1925; University of Chicago, summer, 1927; University of Colorado, summer, 1929; University of Illinois, summer, 1935; Cornell University, 1939-1940; ibid., summers, 1936-37; University of Minnesota, summer, 1953; Georgetown University, summer, 1959.

Fox, Bernice L. 1947
Associate Professor of Classics. A.B., Kentucky Wesleyan College, 1932; University of Kentucky, 1933-1936; M.A., ibid., 1934; Research Fellowship, Ohio State University, 1936-1941.

Gamer, Carl Wesley 1946
Professor of Political Science. Ph.B., University of Chicago, 1922; S.T.B., Boston University, 1925; M.A., University of Illinois, 1937; Ph.D., ibid., 1940; Pioneer University World Cruise, 1926-27; Institute of International Studies, Geneva, summer, 1927; Stutz *Kirchenrechtliches Institut,* University of Berlin, 1938-39.

Gray, Paul H. 1961
Instructor in Speech. A.B., Marietta College, 1959; A.M., University of Illinois, 1960.

Hamilton, Martha Metzger 1937
Assistant Professor of Art. B.A., University of North Carolina, 1923; M.Ed., Harvard University, 1932; Harvard Graduate School for Education, 1923-1925; University of Chicago, summers, 1934, 1935, 1936, 1937; Cornell University, summer, 1959.

Hawbecker, Byron L. 1961
Assistant Professor of Chemistry. B.A., Manchester College, 1957; M.S., University of Illinois, 1958; National Science Foundation Fellow, Continental Oil Company Fellow, University of Arizona, 1959-1961.

Herbsleb, James R. 1956
Professor of Economics and Business Administration. B.A., College of the Pacific, 1947; M.A., Temple University, 1949; LL.B., School of Law, Temple University, 1949; Bryn Mawr College, 1956; Case Institute of Technology, summer, 1957; Indiana University, summer, 1959; University of Chicago, summer, 1960.

Kaminska, Alexandra 1960
Instructor in French. M.A., University of Lwow, Poland, 1938; University of Cracow, Poland, 1939; Diplome de traductrice, University of Geneva, Switzerland, 1959; University of Chicago, summers, 1960, 1961.

Kennedy, Adele 1946
Associate Professor of English. B.A., University of Iowa, 1927; M.A., ibid., 1928; University of Iowa, summer, 1930; Columbia University, summer, 1937; University of Iowa, summer, 1947; University of Colorado, summer, 1960; University of Iowa, summer, 1961.

Ketterer, John Joseph 1953
Associate Professor of Biology. B.S., Dickinson College, 1943; Ph.D., New York University, 1953.

Kistler, Irene 1953
Instructor in Sociology. B.S., University of Illinois, 1928; University of

Illinois, 1945; State University of Iowa and Iowa State University, summer, 1960.

Larson, Charles 1956
Associate Professor of Physical Education. B.S., Culver-Stockton College, 1941; University of Illinois, 1944-1946; Bradley University, 1955-1956.

Leever, Richard S. 1961
Associate Professor of English. B.A., Illinois College, 1947; M.A., University of Texas, 1949; Ed.M., University of Illinois, 1954; Ph.D., ibid., 1961.

Liedman, Jean 1936
Professor of Speech and Dean of Women. A.B., Monmouth College, 1927; A.M., University of Wisconsin, 1935; Ph.D., ibid., 1949; University of Pittsburgh, summers, 1929-30; University of Colorado, summer, 1936; University of Southern California, summer, 1947; Syracuse University, summer, 1956; University of Denver, summer, 1960.

Loya, Heimo 1936
Professor of Music. B.Mus., Chicago Musical College, 1936; A.B., Monmouth College, 1938; M.A., University of Iowa, 1941; violin with Max Fischel; composition and orchestration with Louis Gruenberg; composition with Wesley La Violette; counterpoint with Gustav Dunkelberg; conducting with Rudolph Ganz and Christian Lyngby; Chicago Musical College, summer, 1949; University of Iowa, summers, 1938, 1939, 1940, 1955, 1956; second semester, 1956-57; University of Colorado, summer, 1959.

Lyddon, Paul W. 1960
Instructor in Music. B.Mus., University of Rochester, 1954; M.Mus., University of Illinois, 1955; The Catholic University of America, summer, 1959; Eastman School of Music, University of Rochester, summer, 1961.

Manley, Harry S. 1961
Academic Dean and Professor of Government. A.B., Westminster College, 1942; LL.B., University of Pittsburgh, 1945; Ph.D., Duke University, 1955.

McAllister, James H. 1957
Associate Professor of Physics and Mathematics. A.B., Peru State Teachers College, 1938; M.A., University of Nebraska, 1950; University of Iowa, summer, 1955; University of Kansas, summers, 1957, 1959, 1960; Michigan College of Mining and Technology, summer, 1961.

McNamara, Brooks 1961
Instructor in Speech. A.B., Knox College, 1959; M.A., State University of Iowa, 1961.

Morrill, Allen Conrad 1953
Professor of English. A.B., Brown University, 1926; J. A., ibid., 1928; M.A., Harvard University, 1932; Ph.D., ibid., 1937.

Niblock, Marjorie 1961
Instructor in Physical Education. A.B., Monmouth College, 1958; Certificate Course in Physical Therapy, Mayo Clinic, 1958-60.

Nicholas, Albert 1948
Professor of Education. A.B., Carthage College, 1922; A.M., University of Illinois, 1933; ibid., summers, 1931-33; University of Colorado, summer, 1941.

Pelisek, Joseph J. 1957
Assistant Professor of Physical Education. A.B., Cornell College, 1948;

M.A., New Mexico Highlands University, 1951; Iowa University, 1956; ibid., summers, 1955, 1957, 1959.

Pleasants, Edwin H. 1961
Associate Professor of Spanish. B.A., University of Virginia, 1942; M.A., Louisiana State University, 1950; Ph.D., University of Missouri, 1959; University of Puerto Rico, summer, 1946; University of San Carlos, Guatemala City, summer, 1949.

Ralston, Harold Jameson 1946
Professor of Classics. A.B., Tarkio College, 1922; A.M., ibid., 1923; Th.B., Pittsburgh Theological Seminary, 1927; M.A., Princeton University, 1928; Ph.D., University of Iowa, 1930; University of Pittsburgh, 1926-1927; University of Chicago, summer, 1938; Northwestern University, summer, 1957; University of Michigan, summers, 1959, 1961.

Rawlings, Floyd 1957
Associate Professor of Chemistry. BA., University of Redlands, 1941; M.S., Oregon State College, 1948; Ph.D., University of Washington, 1951; University of North Carolina, summer, 1957.

Romero, Laurence, Jr. 1961
Instructor in French. B.A., Louisiana State University, 1959; M.A., ibid., 1961.

Rosic, Momcilo 1959
Assistant Professor of Modern Languages. A.B., Military Academy, Belgrade, Yugoslavia, 1937; A.M., ibid., 1937; Ph.D., University of Bonn, 1950.

Sanmann, Madge Stewart 1949
Professor of Sociology. A.B., Monmouth College, 1921; B.S., University of Illinois, 1923; A.M., Northwestern University, 1940; Ph.D., ibid., 1948; ibid., summers, 1941, 1942, 1943.

Sebern, Marcia 1961
Instructor in Physical Education. B.S., Carthage College, 1960; University of Wisconsin, summer, 1961.

Serrano, Arturo 1961
Assistant Professor of Spanish. B.A., Instituto Cardenal Cisneros, Madrid, 1930; Facultad de Filosofia y Letras, Universidad Central, Madrid, 1932-1936; Diploma of Official Translator in Spanish and English, Ministry of National Education, Colombia; Universidad Nacional de Colombia, 1959-1961; Universidad Nacional Pedogogica Feminina, Colombia, 1959-1961.

Shawver, Benjamin T. 1946
Professor of Chemistry and Education. B.S., Parsons College, 1932; M.A., Columbia University, 1950; Ed.D., ibid., 1952.

Shoemaker, Homer L. 1961
Instructor in Accounting. B.S., University of Denver, 1950. Certified Public Accountant, 1961.

Speel, Charles J., II 1951
Professor of Bible and Religion, John Young Chair of Bible. A.B., Brown University, 1939; S.T.B., Harvard University, 1949; S.T.M., ibid., 1950; Ph.D., ibid., 1956.

Spitz, Douglas R. 1957
Instructor in History. A.B., Swarthmore College, 1949; M.A., University of Nebraska, 1955; ibid., 1955-57, 1960-61.

Thiessen, Garrett W. 1930
Pressly Professor of Chemistry. A.B., Cornell College, 1924; M.S., University of Iowa, 1925; Ph.D., ibid., 1927; Associated Colleges of the Midwest program at Argonne National Laboratory, 1960-61.

Thompson, Samuel M. 1926
Alumni Professor of Philosophy. A.B., Monmouth College, 1924; A.M., Princeton University, 1925; Ph.D., ibid., 1931.

Weeks, J. Stafford 1959
Assistant Professor of Bible and Religion and College Chaplain. A.B., Juniata College, 1942; B.D., United Theological Seminary, 1945; Gettysburg Theological Seminary, 1945-1947; University of Chicago, 1948-1953.

Wills, Donald Lee 1951
Associate Professor of Geology. B.S., University of Illinois, 1949; M.S., ibid., 1951; University of Indiana, summer, 1959.

Wingo, Charles E. 1958
Professor of Education. A.B., Furman University, 1924; M.A., Cornell University, 1937; University of Chicago, summers, 1939-40; Purdue University, summer, 1946; University of Colorado, summer, 1953.

Wolfe, Ralph Haven 1961
Assistant Professor of English. B.S., Bowling Green State University, 1951; M.A., ibid., 1956; Ph.D., Indiana University, 1960.

Woll, Robert G. 1935
Associate Professor of Physical Education. B.S., Monmouth College, 1935; M.S., University of Illinois, 1941; University of Illinois, summers, 1937, 1938, 1940; Western Illinois University, summer, 1961.

Zehl, Christiane Maria 1961
Instructor in German. Ph.D., "Lehramtspruefung," University of Vienna, 1961.

1962 1963 1963

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MONMOUTH COLLEGE
MONMOUTH·ILLINOIS

MONMOUTH COLLEGE CATALOG

1962-1963

MONMOUTH COLLEGE BULLETIN • MONMOUTH, ILLINOIS

FOR FURTHER INFORMATION

This catalog is designed to provide information about Monmouth College and its curriculum. If further information is needed, inquiries may be addressed to the appropriate office at Monmouth College, Monmouth, Illinois, as follows:

Admissions Procedures, Financial Aid and Publications for Prospective Students ..... Director of Admissions

General Affairs of the College .. Office of the President
Faculty Appointments, Academic Matters and Public Events ..... Academic Dean

Business Affairs ..... Business Manager

Transcripts of Records ..... Registrar

Prospective students and their parents are invited to visit the campus whenever they find it convenient.

The following off-campus admissions representatives may also be contacted for additional information:

CHICAGO
Robert H. Riggle
2036 South Fifth Avenue
Maywood, Illinois
Telephone: 344-7794

ST. LOUIS
Donald Ingerson
58 Spring Avenue
Ferguson 35, Mo.
Telephone: JA 2-3767

MONMOUTH COLLEGE BULLETIN
Series LXX, No. 1, July, 1962
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Monmouth College Catalog
1962-63

With the academic year 1962-63, Monmouth College begins its new educational program structured around the three-term, three-course curriculum. The college catalog is published biennially in July.

July, 1962
Monmouth, Illinois

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College Calendar
1962-63

1962

Sept. 19 — Wednesday ....Faculty Conference
Sept. 20 — Thursday .....Faculty Conference
Sept. 22 — Saturday .....Dormitories open to new students. All new students must report by 5 p. m.
Sept. 23 — Sunday .....Program for freshman and other new students.
Sept. 26 — Wednesday ....Freshman registration and payments of accounts, a. m.; upperclass registration and payment of accounts, p. m.
Sept. 27 — Thursday .....Freshman registration and payment of accounts, a. m.; upperclass course changes, p. m.
Sept. 28 — Friday .....First term classes begin (8 a. m.)
Oct. 13 — Saturday .....Homecoming
Nov. 3 — Saturday .....Parents' Day
Nov. 21 — Wednesday .....Thanksgiving recess begins (12 noon)
Nov. 26 — Monday .....Thanksgiving recess ends (8 a. m.)
Dec. 10 — Monday .....First term classes end (5 p. m.)
Dec. 11 — Tuesday .....Reading period
Dec. 12 — Wednesday .....First term examinations begin
Dec. 15 — Saturday .....First term examinations end (5 p. m.)

1963

Jan. 2 — Wednesday ....Second term classes begin (8 a. m.)
Mar. 11 — Monday .....Second term classes end (5 p. m.)
Mar. 12 — Tuesday .....Reading period
Mar. 13 — Wednesday ....Second term examinations begin
Mar. 16 — Saturday .....Second term examinations end (5 p. m.)
Mar. 26 — Tuesday .....Third term classes begin (8 a. m.)
May 3-5 — Fri.-Sun. .....Liberal Arts Festival: "The Orient in World Affairs"
June 3 — Monday .....Third term classes end (5 p. m.)
June 4 — Tuesday .....Reading period
June 5 — Wednesday ....Third term examinations begin
June 7 — Friday .....Third term examinations end (5 p. m.)
June 8 — Saturday .....Alumni Day
June 9 — Sunday .....Baccalaureate
June 10 — Monday .....Commencement

1962

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General Information

Academic Aim

Monmouth College proposes to provide young men and women with an understanding of the world in which they live, in all of its most general aspects;

To provide them with an intelligent understanding and comprehension of the basic structure of the world of physical nature, the world of living organisms from the lowest to the highest forms, the world of human society and institutions, the world of ideas including the products of both imagination and conceptual thinking, and the world of values;

To provide them with a mature grasp of some one field of study, and to assure a moderate degree of skill in the use of the intellect.

Monmouth affirms that such a course of study is the only sound foundation for an effective life in modern society, both as a necessary preparation for further training in any occupation or profession that involves the exercise of personal responsibility, and for any function in any phase of human life requiring judgement and understanding in addition to mere skill.

History

Monmouth College was founded in 1853 by Presbyterians of Scottish descent and is affiliated with the United Presbyterian Church, U. S. A. From 1853 to 1856 the school was a preparatory school for ministers of the Associate Reformed Presbyterian Church, the church of the founders. The college received its charter from the general assembly of the State of Illinois in 1857. From the beginning, Monmouth has admitted women students on equal terms with men and thus is a pioneer in advanced education for women.

During its first 100 years of existence, Monmouth College had five presidents: Dr. David A. Wallace, Dr. Jackson Burgess McMichael, Dr. S. R. Lyons, Dr. Thomas Hanna McMichael and Dr. James Harper Grier. Dr. Grier retired in 1952 and was succeeded by Monmouth's current president, Dr. Robert Wesson Gibson.

Control

Governing body of the college is the board of directors, composed of 40 directors elected to office by the Illinois Synod of the United Presbyterian Church, U. S. A. and the Monmouth College Alumni Association.

Accreditation

Monmouth College is accredited by the North Central Association and the American Chemical Society.

Membership

Monmouth College is an institutional member of the American Alumni Council, American Association of Colleges in Teacher Education, American Association of University Women, Associated Colleges of the Midwest, American Council on Education, American College Public Relations Association, Associated Colleges of Illinois, Association of American Colleges, Association of American Universities, Illinois Association for Teacher Education in Private Colleges, Midwest Athletic Conference, and Presbyterian College Union.

Associated Colleges of the Midwest

Monmouth is a member of the Associated Colleges of the Midwest, an organization of 10 coeducational liberal arts colleges in Iowa, Illinois, Minnesota and Wisconsin. These independent colleges, of similar size, organization and purpose, work together in various undertakings, curricular and extra-curricular, to increase educational effectiveness and operating efficiency. Continuing projects include the Argonne National Laboratory program, Language Instruction program and Insurance program. Member ACM colleges are Monmouth, Beloit, Carleton, Coe, Cornell, Grinnell, Knox, Lawrence, Ripon and St. Olaf.

Midwest Athletic Conference

Monmouth is a member of the Midwest Athletic Conference, which carries on intercollegiate competition at the varsity and freshman level. Member schools are the 10 Associated Colleges of the Midwest listed above. Competition is held in football, basketball, track, swimming, golf, tennis, baseball, cross-country and wrestling. There are no intercollegiate athletics for women, except for occasional invitational tournaments and sports days. Extensive intramural competition is scheduled for both men and women in a program conducted by the Physical Educational department.

Health, Counseling and Placement Services

The Monmouth College student health service operates an infirmary, under the supervision of two registered nurses, which provides hospitalization for minor disabilities. The services of the two college physicians are available at the dispensary, which is open to all students for minor illnesses and emergency treatment. Coupled with this is a student insurance plan, the cost of which is borne completely by the college. This provides year-round coverage, both on and off the campus, for physician's services, hospital services and board and room, X-rays and laboratory tests, dental and medical care and surgery necessitated by injury or illness. Special coverage includes treatment for Polio. A fully-accredited community hospital located two blocks from the campus is also available for hospitalization and out-patient care.

Counseling services begin with comprehensive testing and interviewing during Orientation week. Following this, students choose a faculty adviser who assists in selecting a program of courses and advises the student on any other problems. In addition to the faculty adviser, the counsel of all staff members, including the deans and the college chaplain, is available to all students.

Monmouth's office of student aid and placement assists both students and alumni in obtaining employment. The college placement bureau maintains a career library and arranges interviews with company personnel representatives and Monmouth students. The office also administers part-time campus employment, upper-class scholarships, grants-in-aid and student loans.

Campus Life

In addition to the all-school social programs directed by the student council, other campus activities are sponsored by the 23 special interest clubs, 15 honorary organizations, seven service groups and 11 social groups. The social groups include four national sororities, four national fraternities, one local fraternity and independent student associations. The first sorority in

the nation, Pi Beta Phi, was founded on the Monmouth College campus in 1867. This sorority and Kappa Kappa Gamma sorority have their national Alpha chapters at the college.

Academic Buildings

Wallace Hall, central classroom building, built in 1909; J. B. McMichael Science Hall, lecture rooms and laboratories, 1910; Auditorium; Administration Building; Austin Hall, music classrooms and practice rooms; Art Center, classrooms, studios and art library; Student Center, dining hall, lounge, snack bar, post office, bookstore, conference rooms, student offices, music and recreation rooms; Woodbine, teacher preparation materials center, seminar rooms, faculty offices.

Residence Halls

T. H. McMichael Hall, women's residence hall, built in 1915; James Harper Grier Hall, women's residence hall, 1940; Alice B. Winbigler Hall, women's residence hall, 1945; Honors House, residence for senior women; The Manor, home of the president; Fulton Hall, men's residence hall, 1950; Graham Hall, men's residence hall, 1960.

Fraternity Houses

Provide room and board for members: Alpha Tau Omega, Tau Kappa Epsilon, Sigma Phi Epsilon, and Theta Chi fraternities.

Sorority Chapter Rooms

Housed in Marshall Hall for: Alpha Xi Delta, Kappa Delta, Kappa Kappa Gamma, Pi Beta Phi sororities.

Athletic Facilities

Waid Gymnasium, constructed in 1925, houses basketball court, swimming pool, indoor track, rifle range, handball courts, locker-room and shower facilities, faculty offices. Adjacent to the gymnasium is the athletic field and stadium with facilities for baseball, football, track, archery and tennis.

Laboratories

Biology, Chemistry, Geology, and Physics.

Carnegie Library

Built in 1930, houses more than 80,000 volumes. Departmental libraries, slide record and photograph libraries, microcard and film readers, film strips, Martin Oriental Collection, cooperative work with Warren County Public Library.

Location

The 30-acre campus is located in the eastern section of Monmouth, Illinois, a city of 11,000 in Western Illinois. The city is 200 miles southwest of Chicago and is the county seat of Warren County.

Transportation

Monmouth is on the main line of the Chicago, Burlington and Quincy railroad and is also served by two bus lines. Air travel facilities are 10 miles from the campus and U. S. Highways 34 and 67 intersect in the heart of the city.

The Academic Program

The Monmouth College faculty adopted a new curriculum for the college effective September, 1962. Under this new educational program, the nine-month academic year will be divided into three terms of approximately 11 weeks each.

Normally, students will register for three full term courses each term for a total of nine term courses during the academic year. Thirty-six term courses are required for graduation. Freshman and sophomores are required to take physical education each term without credit toward graduation.

A full term course will normally meet four times weekly for 50-minute periods, exclusive of laboratory sessions. All courses are regarded as term courses with the exception of fractional courses in studio art, applied music and dramatics.

Students may register for 10 courses during the regular academic year with the approval of their academic adviser. In this case students are permitted to register for a fourth (full) course during one term of the academic year if no fractional courses are taken and if a 3.0 (B) or better grade average has been achieved in the two preceding terms.

Students who achieve a 3.0 (B) or better grade average during the preceding two terms may register for more than 10 courses during an academic year with the permission of the academic dean and their academic adviser. In no case is a student permitted to register for more than four courses during any term.

For graduation a student must attain or surpass a grade-point average of 2.0 (C).

To qualify for the degree of Bachelor of Arts a candidate must meet certain specifications in quantity, quality, distribution, field of concentration, independent reading, and in the senior comprehensive examination.

The educational policy behind this shift in the academic program involves increased emphasis on learning, self-education, reducing the fragmentation of student attention and more independent study.

GRADUATION REQUIREMENTS

I. Credit in a total of 36 term courses.

II. A grade-point average of 2.0 (C) or better in all courses.

III. Distribution of 14 term courses in specified divisions and completion of six terms of satisfactory work in physical education.

IV. A field of concentration consisting of either (1) a departmental major presenting a minimum of seven term courses from the major department and a minimum of five term courses in related fields chosen from those specified by the major department: or (2) a topical major of at least 12 term courses approved by the curriculum committee. All courses in the field of concentration require a grade-point average of 2.5 or better.

V. A passing grade in the senior comprehensive examination.

VI. Satisfactory completion of a program of independent reading including a general reading and comprehensive reading program.

VII. The senior year must be spent in residence at Monmouth College.

(No exceptions to these regulations will be made unless authorized by the faculty.)

Distribution Requirements

The distribution requirements are intended to help the student attain a broad and comprehensive acquaintance with the basic characteristics of the world in which we live. These requirements are intended to help the student attain familiarity with the tools of the intellect including (1) the experimental methods, (2) the method of empirical generalization, (3) language and (4) the method of formal analysis. Distribution requirements should be fulfilled within the first two years, if possible.

Students may satisfy any of these requirements by passing an examination sufficiently comprehensive to test their knowledge of the work presented in the required course or courses.

The same requirements for graduation will apply to transfer students except that some special arrangements may be made regarding the date at which the requirements of the first two years will be satisfied. These requirements should be completed within a year of the initial date of registration.

DIVISION I
HUMANITIES

Art or Music: One term course

English: Two term courses

English (literature), History or Philosophy: Two term courses chosen from separate fields

Foreign Language: Two term courses (beyond 101 and 102)

Religion or Bible: One term course

Speech: One term course

DIVISION II
SOCIAL SCIENCES

Two term courses in separate fields chosen from the departments of economics, government, psychology or sociology.

DIVISION III
NATURAL SCIENCES AND MATHEMATICS

Three term courses chosen from the departments of biology, chemistry, geology, physics, or mathematics, including a sequence of two term courses in a laboratory science.

DIVISION IV
PHYSICAL EDUCATION

Freshmen and sophomores are required to complete six terms of satisfactory work in physical education unless excused by the director of the college health service for medical reasons. A proficiency rating for each term course will be given.

Field of Concentration

A field of concentration shall consist of (1) a departmental major and related courses or (2) a topical major. All courses in the field of concentration shall be of grade-point 2.0 or better and the grade-point average must be 2.5 or better.

DEPARTMENTAL MAJOR

A departmental major shall consist of at least seven term courses chosen from the major department and at least five term courses or related courses chosen from those specified by the major department. The work in the field of concentration during the junior and senior years shall include some form of individualized study. Each student must give positive evidence of his competence in his field of concentration by means of a comprehensive examination.

TOPICAL MAJOR

A topical major shall consist of at least 12 term courses chosen from different departments as a group of studies linked together by a special theme or field of interest. The program for the topical major must be approved by the curriculum committee and shall be under the direction of an adviser appointed by that committee. The work in the field of concentration during the junior and senior years shall include some form of individualized study. Each student must give positive evidence of competence in his field of concentration by means of a comprehensive examination.

SENIOR COMPREHENSIVE EXAMINATION

A comprehensive examination in the field of concentration is required of each candidate for the degree. This examination will be in three parts:

1. The Graduate Record examination, to be taken during the senior year.
2. A written essay examination of four hours, consisting either of one four-hour paper or two two-hour papers on questions which require a comprehensive grasp of the problems of the field and a broad acquaintance with its literature.
3. An oral examination (where not more than three candidates will be examined at one time) by a committee composed of one representative of the candidate's major field, one representative of his related field, and one to be nominated by the candidate from a department outside the field of concentration.

The second and third parts of the examination must be taken during the last two terms of the candidate's residence as a regular student. The examination will be judged as a whole, and will be graded Honor, Pass or Fail. A grade of Pass is required for graduation; a grade of Honor is required for honors at graduation. A candidate who fails the examination may apply for one re-examination, but a second failure will be final.

INDEPENDENT READING

All students are required to pursue a program of independent reading during their period of enrollment at Monmouth College. The reading program

is divided into two parts; part one, entitled general reading, covers the freshman and sophomore years; part two, entitled comprehensive reading, covers the junior and senior years.

General Reading Program

The general reading program envisages a lively acquaintance with and understanding of broadly-selected writings which are of great worth and significance to the educated person and his world.

The general reading program is administered by the general reading program committee of the faculty. This committee will ascertain from every faculty-member those books which are worthy of inclusion in the general reading list. The committee will then determine what writings shall be included in the program. Each year review and revision, if required, shall be made by the faculty committee. The student will be encouraged to begin his reading immediately upon acceptance as a student of the college and to continue the reading throughout the freshman and sophomore years, giving particular attention to the reading during vacation periods.

Students will be required to give evidence of an adequate acquaintance with a selected portion of the general reading list in the beginning of the first term of the sophomore year. Satisfactory performance is required for junior standing.

Comprehensive Reading Program

The comprehensive reading program administered by each department envisages a lively acquaintance with and a good understanding of selected writings related to the student's field of concentration. A broad bibliographical acquaintance with outstanding works in the field plus a first-hand knowledge of selected works in concept and import will be required.

The senior comprehensive examination will include the work of the comprehensive reading program.

The comprehensive reading lists will be prepared by the several departments.

Special Study Programs

ENGINEERING

Students interested in engineering may take advantage of the binary program sponsored by Monmouth College in cooperation with Case Institute of Technology, Cleveland, Ohio.

Briefly, this program calls for a three-year program of liberal arts study at Monmouth, followed by two years of engineering work at Case Institute. Upon completion of the five-year program the student will receive degrees from Monmouth and the engineering school.

The binary program is designed to provide the engineering student with all the best features of two types of educational work — that of the liberal arts college and the technical engineering school. This combination is of great importance, for in an increasing degree men who have attained eminence as engineers are required to have a broad background in liberal education to carry out their duties as executives in engineering work.

Students may also attend Monmouth College three years and transfer to the Illinois Institute of Technology or University of Illinois. If they follow the program outlined below they may receive an A.B. from Monmouth at the time of graduation from the engineering school.

Freshman Year

I	II	III
Math 151	Math 152	Math 251
Physics 101	Physics 102	Physics 103
English 101	English 102	Speech 101
Art or Music		

Sophomore Year

I	II	III
Math 254	Engineering 101	Engineering 102
Chemistry 101	Math 301	Chemistry 103
Foreign Language	Foreign Language	Foreign Language
	Hist., Phil., or Eng. Literature	

Junior Year

I	II	III
Math 309	Economics 201	Hist., Phil., or Eng. Literature
Physics 207	Physics 303	Physics 305
Foreign Language	Government 201	Bible or Religion

WASHINGTON SEMESTER

Students who have demonstrated exceptional academic ability are selected as candidates for this program. The study program at American University in Washington, D. C., is designed to bring superior students into contact with source materials and government institutions at the nation's capitol.

In addition to regular study and a research project, students are required to participate in the Washington Seminar, a course consisting of a series of informal meetings with members of Congress and administration officials. Monmouth College offers full credit for work done under this plan.

JUNIOR YEAR ABROAD

Monmouth College participates in a variety of programs offering foreign study during the junior year. The Modern Foreign Languages department has an exchange agreement with Mexico City College where full tuition for one term is offered by Mexico City College to any Monmouth College student recommended by the Modern Foreign Languages department. Exchange arrangements have also been made with Universite Laval, Quebec, Canada; National University of Mexico, Mexico City; and the University of Guadalajara.

The most extensive "Junior Year Abroad" program is the one sponsored by the United Presbyterian Church, U. S. A. Under this program a student can study in France, Germany, Ghana, Hong Kong, India, Japan, Lebanon, Pakistan, Switzerland and the Philippines.

Main requisites are a good academic record and a concern for international relationships. In some countries special language preparation is necessary.

Students can also do independent study under a program arranged by the Experiment in International Living.

Application for any of the "Junior Year Abroad" programs should be made early in the sophomore year. Cost is $1,500 to $2,500 per year. While Monmouth College does not directly sponsor any of these programs, a faculty committee on study overseas maintains contacts with the sponsoring organizations and acts as a clearing-house for applications. This committee will also assist students who wish to apply directly to foreign schools and make independent arrangements.

ARGONNE SEMESTER

The Argonne Semester program, adapted to conform to the three-term, three-course curriculum, offers an opportunity for outstanding science students to study and do research at Argonne National Laboratory in suburban Chicago. Argonne, one of the nation's three major centers for nuclear research, is operated by the University of Chicago for the Atomic Energy Commission.

The program provides for 15 weeks of full-credit study and research at Argonne. A group of 10 outstanding students in biology, chemistry, physics and applied mathematics is selected from the 10 Associated Colleges of the Midwest schools twice yearly.

Students are assigned to Argonne scientists, with whom they work five mornings each week as part-time research assistants. They receive technician-level pay for a 20-hour work week. Afternoons are spent in seminars and research conducted by faculty members from the ACM colleges in residence at Argonne.

Academic Regulations

ATTENDANCE

At Monmouth College, responsibility for class attendance is placed upon the student except as this is limited by the regulations which follow:

1. Courses of study at Monmouth College are planned and organized upon the assumption that the student will be in regular attendance. The student is responsible for all work covered in the course, including lectures, class discussions, assignments of any kind and all examinations. However, students need not make application to have absences excused and need not make any explanation of class absences.
2. Freshmen will be permitted no voluntary absences during the first term. During the second and third term, this will apply only to freshmen who failed to earn a grade-point average of at least 2.0. All unexcused absences for freshmen who are not permitted to have voluntary absences must be explained to the personnel dean concerned no later than 24 hours after the student returns to class.
3. Attendance is required at the last meeting of a class before, and at the first meeting of a class after, a college vacation. Students who have urgent reasons for absences immediately before or after vacations may be excused by the registrar. Students with unexcused class absences on these days will be charged a $10 fee for each class missed.
4. A student whose record in a course is suffering because of frequent absences may be required by his instructor or the academic dean to give up the privileges of these regulations and, during the remainder of the term, explain all absences. This action may be taken at any time during a term.
5. All students, unless excused by the faculty committee on absences, are required to attend chapel services and the monthly Vesper service held on the first Sunday afternoon of each month in the college auditorium. Students are expected to attend public worship in the church of their choice on Sundays.

In addition to excused absences a student may have two absences from chapel and/or vespers during a term without penalty. Additional absences shall entail loss of credit. Additional information on Attendance Regulations will be published in the *Scots Guide* which is distributed at the beginning of the school year.

REGISTRATION

In the spring of each year students will register in advance for all three terms of the next academic year. New students, in consultation with the personnel dean concerned, will choose their courses during the summer preceding their entrance to the college.

All changes in registration require written permission of the instructor for the courses involved and the student's adviser. A fee of $5.00 is charged for each course change made after the first week of classes. A course may be added after it has been in session for one week only with the recommendation of the instructor and adviser and approval of the academic dean. Withdrawal from a course after the first week of classes carries the grade of F except for reasons of illness or circumstances beyond the control of the student.

A student may not register in a new course after the second week of classes.

GRADES

Academic work is graded at Monmouth College as follows:

A
B
C+
C
D
F Failure
I Incomplete (Grade Deferred)
W Withdrawal

The mark I signifies work in the course is incomplete due to illness or circumstances beyond the control of the student, or where the instructor feels further evaluation is needed before the grade is determined. Unless the I is removed within the term following that in which it was given, the grade automatically becomes an F. The mark W signifies withdrawal and is given when a student withdraws from a course with the approval of the instructor involved, the student's adviser and the academic dean, provided the student is passing in the course at the time of withdrawal. The mark W will not be recorded after the end of the first week of classes except for reasons of illness or circumstances beyond the control of the student.

GRADE-POINT AVERAGE

All students in a class are ranked according to their work. Each teacher determines the rank of his own students in his own way. The following grades are used:

A = 4 grade-points per term course
B = 3 grade-points per term course
C+ = 2.5 grade-points per term course
C = 2 grade-points per term course
D = 1 grade-point per term course

The term "average" is determined by dividing the total grade-points earned during the term by the number of term courses taken. The cumulative average is the total of all grade-points earned, divided by the total number of term courses taken.

ACADEMIC PROBATION

A student who in any term fails to earn a grade-point average of at least 1.5 is placed upon probation for the following term. At any time, a student doing very poor work (for freshman, this means a grade-point average of 1.0) may be warned and placed on probation with the understanding that unless his grade-point average is at least 1.5 at the end of the term, he may be dropped from college. A student on probation who fails to earn a grade-point average of at least 1.5 is required to withdraw from college for at least one term.

CUMULATIVE GRADE-POINT AVERAGE

A student with nine term courses but less than 18 term courses whose grade-point average is less than 1.6 is on probation. A student with at least 18 term courses, but less than 27 term courses, whose grade-point average is less than 1.8 is on probation. A student with more than 27 term courses, whose grade-point average is less than 2.0, is on probation.

CLASSIFICATION

The student who has nine term courses of college credit and a grade-point average of 1.6 is classified as a sophomore; 18 term courses and a grade-point average of 1.8, a junior; 27 term courses and a grade-point average of 2.0, a senior.

DEGREES

The degree regularly conferred is Bachelor of Arts. Candidates for a degree shall make formal application to the registrar one year in advance of their expected graduation date. The course may be completed at the close of any term but the formal graduation will occur at the commencement in June. The senior year must be spent in residence at Monmouth College.

HONORS AT GRADUATION

Honors at graduation are either *summa cum laude, magna cum laude* or *cum laude.* The student is ranked upon his own merit, not upon comparative standing. To be eligible for honors at graduation a student must have been in residence at least six terms and have achieved a grade of Honor in the comprehensive examination. To be eligible for honors *summa cum laude* the grade-point average for the work taken in residence must be 3.9 or higher. To be eligible for honors *magna cum laude*, the grade-point average for the work taken in residence must be 3.75 or higher. To be eligible for honors *cum laude*, the grade-point average for the work taken in residence must be 3.5 or higher.

CREDIT BY EXAMINATION

Students may satisfy any division I, II or III requirement or secure advanced placement by passing an examination administered by the department concerned and sufficiently comprehensive to prove their mastery of the required courses. Exemptions from distribution requirements may be recommended by the department concerned. If credit is desired, it may be recorded if it does not void necessary admission units and if the fees for such special examinations and additional hours are met. The fee for an examination to satisfy a divisional requirement or secure advanced placement with credit is $10.00. A fee of $45.00 per term course will be charged for recording credits on the transcript. No course except second-year foreign language courses shall be used to satisfy both distribution and concentration requirements.

AUTOMOBILES

Monmouth College students (except freshmen) are permitted to maintain and operate automobiles in accordance with regulations which are administered by a committee composed of the personnel deans. A detailed list of regulations governing use of automobiles is published in the *Scots Guide.*

REGULATIONS

The college expects its students to conduct themselves as responsible members of a Christian community. Those who persistently refuse to conform to the spirit and regulations of the institution will not be permitted to remain in college.

Monmouth College opposes drinking, gambling, and hazing in all forms. The use or possession of alcoholic beverages on or off campus is not permitted by the college.

Complete rules governing registration, attendance, conduct, probation, and use of automobiles will be published in the *Scots Guide* which is distributed at the beginning of the school year.

Admission

In conformity with its purpose, Monmouth College admits as students young men and women of good moral character who are properly qualified by previous academic training to pursue the courses which the college offers. Preparatory training given by accredited four-year high schools or in grades 9 to 12 in junior high schools is the normal basis for admission to the freshman class.

REQUIREMENTS

Applicants must present a minimum of 15 secondary school units, 12 of which must be in the following fields: English, history, social science, foreign language, mathematics and science (a unit is a subject carried for one school year). Four of the 12 units must be in English. One-half unit of the English requirement may be in speech or other communication courses. All applicants are required to take the Scholastic Aptitude Test given by the College Entrance Examination Board and must present a satisfactory recommendation from their high school principal or counselor. Candidates who do not meet these requirements will be considered on their merits.

PROCEDURE

Application blanks and other information relating to admission may be obtained from the admissions office. A $10 fee must accompany applications. This fee is non-refundable and is not applicable towards other college expenses. Application should be made early in the senior year of high school to the Director of Admissions, Monmouth College, Monmouth, Illinois.

Arrangements for taking the College Entrance Examination Board scholastic aptitude test may be made by writing the College Entrance Examination Board, Box 592, Princeton, New Jersey.

ADMISSION COMMITTEE ACTION

All applicants are notified of acceptance or rejection as soon as the admission committee takes official action on their application. Monmouth College uses a "rolling" admissions policy, which means that applications are processed as received and applicants generally are notified of admission committee action within a month of application.

ADVANCED STANDING

Students who wish to transfer to Monmouth from another school must present a letter of honorable dismissal and a transcript showing entrance credits accepted and credits earned while in attendance at that college. Transfer students must also furnish a statement indicating they are in good standing at the college from which the transfer is to be made.

HONORS AT ENTRANCE

In order to recognize and reward outstanding achievement of high school seniors applying for admission to Monmouth College, a program of Honors-at-Entrance has been established. A student may qualify for Honors-at-Entrance whether or not he has received financial aid.

High school seniors who rank in the upper 10 per cent of their graduating class will receive Honors-at-Entrance, including a certificate of merit signed by the president and issued by the college prior to the beginning of the academic year and listing as an Honors-at-Entrance student in appropriate college publications.

HONOR SCHOLARS

Students who receive Honors-at-Entrance may continue their status as Honor Scholars in succeeding years by exhibiting personal and social character satisfactory to the Honor Scholars committee, by carrying extracurricular responsibility and by maintaining the following grade-point averages: at end of freshman year, 2.75; at end of sophomore year, 3.0; at end of junior year, 3.5. Maintaining these standards will make the student eligible for Honors at Graduation.

ADVANCED PLACEMENT

College credit, advanced placement and reduction of the distribution requirements may be granted to entering students who have demonstrated sufficiently strong preparation.

The advanced placement examinations of the College Entrance Examination Board, tests given at Monmouth during Orientation week, and school records may be used by the department in making such a recommendation.

Application for advanced placement should be made to the academic dean. Credit may be recorded if it does not void necessary admission units and if the fees for such special examinations are met. The granting of credit and a grade is authorized by the academic dean upon recommendation of the instructor who gives the course and the special examination, the head of the department concerned and with the approval of the faculty adviser.

Credit for one or more term courses is granted, and advanced placement at an appropriate level is offered, to any entering students who have demonstrated college level comprehension in one or more subjects. This credit satisfies any of the requirements for the degree to the same extent as if earned for courses taken at Monmouth. It may not be substituted for any course subsequently failed.

Expenses

TUITION AND FEES

Tuition and fees, excluding fees itemized below, is $408.33 per term. This includes instruction and laboratory fees and the following privileges: student health service and insurance coverage; admission to all regular athletic games, concert-lecture series programs and plays in the college theatre; Student Union dues; one-third payment towards purchase of the Ravelings, college yearbook; a one-term subscription to the student newspaper, the Oracle; and support of forensics and the student council. Charges for laboratory breakage are billed at the close of each term.

Special Students

Special students (working towards a degree but carrying less than three term courses), who desire participation in student activities and Student Union privileges will be charged at the rate of $133.33 per term course.

Special students who do not desire to participate in student activities or have Student Union privileges will be charged at the rate of $125 per term course.

When, by special permission, a student carries an eleventh term course during an academic year, the additional charge will be $135 for this additional term course.

Auditing Courses

Students may audit courses, without credit, in addition to their regular academic program subject to the permission of the instructor involved and approval of the academic dean. Written permission of the instructor involved is required before an audited course is listed on the student's permanent record.

Miscellaneous Fees

Application Fee	$10.00
Graduation Fee (including cap and gown rental)	15.00
Student Teaching Fee (Education 401, 401S, 402, 402S)	10.00
Late Registration Fee	3.00
Change of Registration (after first week of classes in each term)	5.00
Special Fee, Geology 303 (Field Geology)	25.00
Practice-room fee for Piano, Voice and Instruments, per term:	
One hour daily	5.00
two hours daily	8.00
Organ rental, per term:	
four hours per week	15.00
six hours per week	25.00

(For those students registered as full-time students, who include credit in applied music as a part of their program, there is no extra tuition charge. Private lessons on a non-credit basis are available at $25 per term for one half-hour lesson each week.)

Special Examinations

Students who have unexcused absences from a regular final examination or an announced hour test will be charged a fee for a special make-up examination. The fee is $10 for a final examination, $5 for an announced hour test. A statement from the business office showing that the fee has been paid must be presented before the examination will be given.

Transcripts

Each student is entitled to two transcripts, showing the record of his work at the college, without charge. A fee of $1 will be charged for each additional transcript. No transcript will be issued until the student's college account has been paid.

PAYMENTS

Advance Tuition Deposit

When notified of admission, new students are required to pay a $100 advance tuition deposit to apply on college expenses for the first year. No refund of this $100 will be made unless the student suffers an illness or accident which prevents his entering college at the admission date for which he has applied; and then the refund will be made only if the college is notified prior to June 15 (one month prior to date of entry for new students entering at the second or third term).

Returning students are also required to pay a $100 advance tuition deposit not later than May 1, to apply on college expenses of the following year. Refund privileges for returning students are the same as those for new students.

Deferred Payment

Payments for tuition, fees, room and meals are due at the beginning of each term. A deferred payment charge of $5 will be assessed all students who defer any part of the term's bill.

The deferred payment plan requires one-fourth of the total fees to be paid at registration and the balance to be paid in equal installments by the 15th day of each of the succeeding three months.

A charge of five per cent interest will be made on all past-due balances. A student who does not maintain his deferred payments as scheduled will be dropped from classes. Students whose accounts are not paid in full 10 days before the end of the term are not eligible to take final examinations.

Other Payment Plans

Plan One . . . Full Payment

Under plan one, bills are paid in full at the beginning of the school year or at the beginning of each term.

Plan Two . . . Deferred Payment

Plan two provides for one-eighth of the total bill for the school year to be paid at registration and the balance to be paid in equal installments by the 15th day of each of the succeeding seven months. There is a $15 service charge for this plan.

Plan Three . . . Monthly Payments

Plan three spreads payments over an 11-month period. There is no additional charge for this plan.

Monthly Payment Plan

Parents who wish to pay tuition, board and room on the monthly payment plan will be billed as follows:

Advance Tuition Deposit*	$ 100.00
June 10	100.00
July 10	100.00
August 10	100.00
September 10	400.00
October 10	100.00
November 10	100.00
December 10	100.00
January 10	400.00
February 10	100.00
March 10	325.00
April 10	100.00
	$2,025.00

Statements are sent out monthly by the Business Office on the first of each month and are payable by the tenth. Any grants or scholarships by Monmouth College are applied as follows: One-third against the September charges, one-third against the January charges and one-third against the March charges. Any other fees or charges are shown on statements in the months in which charges are made. A room reservation deposit of $15.00 is not credited to board, room and tuition charges. A $5.00 bookkeeping charge will be added per term for deviations of more than 30 days from the above schedule.

In the event of withdrawal prior to the opening of school, full refund will be made of all monies paid, except the advance tuition deposit of $100 which is refundable only under special circumstances. If the student withdraws after school opens, refund will be made on the basis of terms stated in the catalog.

Room and Meal Rates

The charge for meals, per school year, is $500. During the official school year, 21 meals per week are served at the college dining hall. The first meal following a vacation period will be served the morning of the day classes are resumed. The dining room may be closed several days during the period between final examinations and registration for the new term.

Room rent per year is $300, including linen service.

Room reservations will be made only on payment of the $100 advance tuition deposit and a $15 room deposit. Rooms will be reserved in the order in which the deposits are received.

Refunds

If it becomes necessary for a student to withdraw from college, refunds of tuition will be made in accordance with the following schedule:

Two weeks or less	80%
During third or fourth week	60%
During fifth or sixth week	40%
During seventh or eighth week	20%
Thereafter	no refund

*Payable at time of acceptance

Refund of board charges will be based on the unused portion of the term, less a penalty of two weeks. Room rent is not refundable under any circumstances. Students who are not able to abide by residence hall regulations, or who show marked unwillingness to cooperate with the house director, may be asked to move from their rooms without privilege of refund.

Annual Expenses, 1962-63

Tuition and Fees	$1,225
Room	300
Board	500

An estimated $300 to $400 will be required for books, supplies, clothing, recreation and other miscellaneous and personal items.

Financial Aid

PROCEDURE

Students who meet the admission standards of the college may secure educational cost assistance in meeting their college expenses if a need is shown. Educational cost need is the difference between one year's educational cost (tuition, books, board, room, etc.) and the student's resources for the same period (aid from parents, guardian, relatives, personal savings and vacation earnings, other scholarships and awards, etc.).

To determine the need factor the student must complete, with his parents, a College Scholarship Service (CSS) form when he applies for financial aid. On this form he and his parents supply information about the family's income, assets, debts and other conditions affecting this factor in the student's resources. The completed form is sent by the applicant to College Scholarship Service, Box 175, Princeton, New Jersey. CSS forms may be secured from the college office of Student Aid and Placement.

CSS computes an estimate of the family's financial means and furnishes this information to the college. The estimate states how much the family might reasonably be expected to pay toward the student's college expenses during the year. The CSS estimate and other information the college may have determines the amount and kinds of aid which may be given.

TYPES OF FINANCIAL AID

Monmouth College believes that the assumption of a reasonable amount of business-related responsibility during the student years develops maturity and post-college adjustment. For this reason every effort is made to combine the following kinds of educational cost assistance in meeting a student's need factor:

SCHOLARSHIPS, GRANTS-IN-AID AND LOANS

Monmouth's many awards of this type are described in detail elsewhere in this catalog.

Scholarships

Freshmen awards are made to students who rank in the upper one-fourth of their high school class and whose ability, character and promise of achievement are outstanding. Size of the scholarship depends upon need, rank in class and activity record.

Upperclass students who have maintained a grade-point average of at least 3.0 in the preceding term, have a need, and whose ability, character and record indicate continued high achievement are eligible for scholarships.

Grants-In-Aid

These awards are made to those students with financial need who do not qualify academically for scholarships.

Freshmen, to qualify for a grant-in-aid, must rank in the upper half of their high school class, show promise of being able to pass college-level work and have a record showing good character, some leadership potential and participation in extra-curricular activities.

Upperclass students must have a grade-point average of at least 2.0 and a previous college record indicating good character and conduct and continued satisfactory achievement.

Student Loans

Student loan funds for assisting students in meeting college costs have been in existence for a number of years, but the passage of the National Defense Education Act in 1958 refocused attention and interest on this method of help in meeting college expenses. The usual student loan fund is a revolving type wherein the repayment goes back into the fund for reloaning to other students with financial need.

Interest rates are usually low (3 to 4 per cent) and repayment does not begin until the student ceases full-time attendance. Repayment periods vary with the different student loan funds. For example, the National Defense Education Act Student Loan Program provides one year of grace after the student ceases being a full-time student. No interest accrues during this period and no repayments are due.

Interest begins with the second year and then the student has 10 years to repay, with deferment of interest and repayment of principal for up to three years if the student attends graduate school or enters the armed services. The act requires that special consideration be given to students planning to teach or those who specialize in modern foreign languages or science. Other students become eligible for this type of loan after the special consideration cases have been completed. A student going into teaching may have 10 per cent of his loan cancelled each year for a maximum of five years.

In addition to the loan funds administered by Monmouth College, a list of other scholarship and loan funds administered independently are on file in the student financial aid office and information is available to those who wish to make their own arrangements for educational cost financing.

Part-Time Employment

Although there may be a slight variation in the number of jobs available to students on the campus and in the community from year to year, the number, generally, is slightly more than 200. Campus jobs include secretarial-type work, building and campus maintenance, switchboard operation, residence hall desk duty, library clerical work, residence hall counseling, food service duties and messenger services. The food services and residence hall positions pay from one-third to full board. Other jobs are at hourly rates ranging from 75 cents to $1.25 per hour.

Student assistantships in the various departments provide a limited number of jobs to upperclass students recommended by department heads.

The college feels that part-time employment demands are reasonable in the number of hours per week required (this varies with jobs), and expects the student to make whatever adjustments are required to accommodate his work, study and social program to the end that his academic program does not suffer.

The college student aid office also lists community part-time jobs and notifies those students who have indicated an interest in part-time work. The college student aid office does not list jobs with excessive hourly demands, unreasonable night-time hours or environmental factors that are undesirable.

GENERAL

It is Monmouth's desire to provide educational cost assistance to every student having a financial need who possesses character, ability, promise and scholastic aptitude and is willing to make reasonable sacrifices to attain his goal of graduating from Monmouth College.

All financial aid is awarded with the understanding that the individual is a full-time student and will allow sufficient time to study consistently. Failure to maintain the required scholastic average will result in cancellation of the award. All awards (except for mid-year entrants) are made for a one-year period and one-third the award is deducted from the student's tuition account each term. All awards are acted upon by the scholarship committee or by special committees, if required by the donors of special funds.

Students holding awards must reapply before March 15 each year in order to obtain financial aid for the following academic year.

Students receiving aid may not own or operate cars on the Monmouth campus.

Students receiving financial aid from the college, except those whose homes are in Monmouth, are required to live in college housing.

All recipients of the foregoing types of aid who transfer before graduation to other degree-granting institutions are required to refund all such aid received to the time of transfer.

PROCEDURE FOR APPLICATION

Freshmen and Transfer Students

New students applying for any of the above forms of financial aid must first apply for admission on the usual forms and be accepted. Next, the parents of the applicant must complete, sign and forward to Box 176, Princeton, New Jersey, the College Scholarship Service "Confidential Statement" in support of request for aid. "Confidential Statement" forms may be obtained through your high school.

Upperclass Students

Upperclass students applying for financial aid must complete the CSS "Confidential Statement" which may be obtained at the college student aid office. Students receiving aid must reapply by March 15 each year in order to obtain financial aid for the following academic year.

HONOR SCHOLARSHIP COMPETITION

Five scholarships with a value of up to $4,800 ($1,200 per year) are awarded each year to winners of the Monmouth College Honor Scholarship Competition. High school seniors ranking in the upper 20 per cent of their class and recommended by their principal or counselor are eligible to compete. Winners will be selected on the basis of test results and financial need. Those winners who do not have financial need will be given $100 honorary awards. Candidates who do not win Honor Scholarships will be considered for other scholarships granted by Monmouth College through regular scholarship funds. Further information may be obtained by writing the director of admissions.

Courses of Instruction

ARRANGEMENT

The departments of instruction in the following description of courses are arranged in alphabetical order. Departmental listings also contain general information concerning the program of the department and requirements for a major in that field.

NUMBERING AND LEVEL

The numbering of each course indicates the level of the course. Numbers 100-199 are used for introductory courses open to freshman. Numbers 200-299 are used for intermediate courses open to sophomores but not to freshmen. Numbers 300-399 are used for advanced courses open only to juniors and seniors or to sophomores with consent of the instructor. Numbers 400-499 are used to designate departmental seminars and independent study.

FRACTIONAL COURSES

Art: All studio courses will be fractional courses. Studio classes will meet six hours per week, either three periods of two hours each or two periods of three hours each. Two terms must be completed to receive one course credit; an additional course credit will be given after the completion of the third term.

Music: All applied music courses will be evaluated as one-sixth of a course per term. No credit will be given until the equivalent of a full course has been completed.

Speech and Dramatics: Dramatics will be evaluated as one-sixth of a course per term. Directing and debate will be evaluated as one-third of a course per term. No credit will be given until the equivalent of a full course has been completed.

ART

HARLOW B. BLUM, *Assistant Professor, Head*
MARTHA H. HAMILTON, *Assistant Professor*

As part of the liberal arts program, the art department offers courses designed to give students an aesthetic appreciation as well as an opportunity to develop creative processes. The art department aims to prepare interested students for graduate work in the fine arts and a professional art career. For students interested in teaching art at the elementary or secondary school level, the program is designed to comply with state requirements for certification.

Field of Concentration

At least 10 term courses in art and five related term courses to include the following: four term courses in art history and design theory, four term courses in studio art and two term courses in independent study (Art 320 and 420).

101. Introduction to the History of Art. A study of art from prehistoric times to the Baroque period.
Second term *Mrs. Hamilton*

102. Introduction to the History of Art. A study of art from the Baroque period to the present time.
Third term *Mrs. Hamilton*

103. Art Appreciation. A course for the general student, emphasizing increased perception of the formal elements of visual art — line, form, color and texture — with which one comes into contact every day. Included also are the theory and criticism of visual art. Open primarily to non-art majors.
First term *Mrs. Hamilton*

211. Design. A study of the fundamental elements and principles of design applied to fine and minor arts.
Second term *Mrs. Hamilton*

312. History of Interior Design, Furniture and Decoration. A study of interior design, furniture and decoration from prehistoric times through the seventeenth century.
First term (1962-63 and alternate years) *Mrs. Hamilton*

314. History of Interior Design, Furniture and Decoration. A study of interior design, furniture and decoration from the eighteenth century to the present. Prerequisite: Art 312 or consent of the instructor.
Second term (1962-63 and alternate years) *Mrs. Hamilton*

316. House Planning and Decoration. A study of house planning and building, interior and exterior, and decoration and furnishing. Special emphasis on contemporary materials and methods.
(1963-64 and alternate years)

319. Mediterranean Culture of the 16th and 17th Centuries. See French 319.

320. Junior Independent Study. An individual research program arranged in consultation with the instructor and designed to fit the interests of the student.
Third term *Staff*

321. Architecture. Ancient, Medieval, and Renaissance architecture are used as a basis for appraising contemporary architecture.
First term *Mrs. Hamilton*

322. Contemporary Art. A study of twentieth century painting and sculpture with emphasis on the art in America.
Third term *Mrs. Hamilton*

331. European Renaissance. A study of the great figures in important centers in the Renaissance.
(1963-64 and alternate years)

420. Senior Independent Study. An individual research program as in 320, but on a more advanced level.
Third term *Staff*

Studio Courses

All studio courses are fractional courses. A one-term course requires the completion of two terms during which classes will meet six hours per week each term. Upon the completion of a third term "b" course an additional term course credit will be recorded.

151 a, b. Fundamentals of Drawing. Introducing the beginning student to a variety of media: charcoal, conte, ink, pastel and watercolor. Theory and practice in the elements of drawing with the emphasis on creative expression.
Mr. Blum

201 a, b. Beginning Printmaking-Serigraphy. A studio course in silk-screen emphasizing the basic techniques of the medium in the development of the fine print.

Mr. Blum

251 a, b. Elementary Oil Painting. Introducing the student to composition practice, analysis and painting techniques. Still-life, figure and landscape. Prerequisite: Art 151 or consent of the instructor.

Mr. Blum

301 a, b. Advanced Printmaking. Prerequisite: Art 201.

Mr. Blum

351 a, b. Composition and Painting. Composition practice, analysis and painting techniques with emphasis on the creative formal elements. Prerequisite: Art 251.

Mr. Blum

451 a, b. Advanced Composition. Individual creative work in the practice of painting, sculpture or graphic arts; and seminar on professional problems. Prerequisite: Art 301 or 351.

Mr. Blum

BIBLE AND RELIGION

CHARLES J. SPEEL, II, *Professor, Head*
J. STAFFORD WEEKS, *Assistant Professor*
HAROLD J. RALSTON, *Professor*

Courses in the department have four main objectives:

1. To develop in students a knowledge of the contents of the Bible, the use made of it in the past and present, the areas of study closely allied to it and the relationship of such knowledge to other fields of study.
2. To help students discover the role of religion in contemporary life, both personal and social, and to assist them in their quest for moral and religious understanding and certainty.
3. To develop in students a knowledge and understanding of the historical and doctrinal roles of Christianity and other religious forces.
4. To prepare students for the varied tasks of lay leadership and to build a foundation for graduate study in the case of those preparing for the ministry, for religious education and for the teaching of Bible and Religion.

Field of Concentration

(a) A departmental unit of at least seven term courses.
(b) At least five related term courses chosen in consultation with the department.

Bible

101. Bible Survey. A survey of the Old and New Testaments and a study of Jesus and Paul.

Each term *Staff*

201. Old Testament Problems. Various aspects of Old Testament material including literature, religion and theology.

First term (1963-64 and every third year) *Mr. Speel*

212. New Testament Problems. Various aspects of New Testament ma-

terial, including literature and religious thought.
Second term (1964-65 and every third year) *Mr. Speel*

301. Archaeology and the Bible. The bearing of archaeological and historical investigations on the life and literature of the Old and New Testaments along with a study of the relationship of neighboring cultures.
First term (1962-63, 1964-65 and twice every three years) *Mr. Speel*

Religion

101. Basic Beliefs. A study of the fundamentals of the Christian faith and a consideration of the chief creeds of Christendom.
First term. *Mr. Weeks*

203. Ethics of the Professions and Business. A study of the history of Christian ethics and the ethics of the professions and businesses of the present day. Guest speakers, specialists in their fields, assist the instructor in the class. Discussion of historical and current situations.
Third term (1963-64 and every third year) *Mr. Weeks*

213. Philosophy of Religion. See Philosophy 213.

301. Church History to 1450. A history of the Christian Church from the time of Christ to 1450 A.D., including a study of Christian doctrine, Church organization, significant ecclesiastical movements and outstanding Church leaders.
First term *Mr. Speel*

307. New Testament. See Classical Languages (Greek) 307.

308. New Testament. See Classical Languages (Greek) 308.

312. Church History 1450 to the Present. A history of the Christian Church from 1450 A.D. to the present, including a study of doctrine, organization, ecclesiastical movements and church leaders.
Second term *Mr. Speel*

322. World Religions. An introduction to the history of religion, emphasizing the life and character of the founders, the philosophic development, the numerical and territorial expansion and the faith and practices of the religions of the world, both past and present.
Second term *Mr. Weeks*

324. Sacred Music. See Music 324.

333. Christian Leadership. A study of the Christian ministry, the history, organization and administration of the Church. Includes an introduction to forms of worship, use of the Bible, and other materials and subjects related to Christianity and the furtherance of missions.
Third term (1962-63 and alternate years) *Mr. Weeks*

343. Program, Polity and Worship. A study of the program, polity and worship of the United Presbyterian Church. Arrangements may be made for students of other denominations to study their own church.
Third term (1963-64 and alternate years) *Mr. Weeks*

Seminars and Individual Study

351. Field Work in Christian Education. A supervised program of practical experience in connection with Christian education programs at local churches. Open only to juniors and seniors preparing for careers in Chris-

tian education. Departmental consent required. Prerequisite or corequisite: Religion 323. Fractional credit.

Mr. Speel

401. Seminar. Open to juniors and seniors, subject to consent of the department. Topic for 1962-63: "The Middle East and Africa."
First term *Mr. Speel*

412. Reading Course. On problems of interest to the student. Open only to students who include Bible and Religion in their field of concentration.
Second term *Mr. Speel*

423. Thesis Course. On a subject of the students' own choosing. Open only to students who include Bible and Religion in their field of concentration.
Third term *Mr. Speel*

BIOLOGY

JOHN J. KETTERER, *Associate Professor, Head*
ROBERT H. BUCHHOLZ, *Associate Professor (leave of absence, 1962-63)*
MILTON L. BOWMAN, *Assistant Professor*
DAVID C. ALLISON, *Assistant Professor*

Field of Concentration

(a) A departmental major of at least seven term courses in addition to Biology 101 and 102 The seven term courses must include Biology 201, 303, 305, 306, 401, and either 402 or 403. The remainder of the requirement may be satisfied by any other courses offered by the department.

(b) Five term courses in the related fields of physics and chemistry of which the following are required: Organic Chemistry, one term; Quantitative Analysis, one term (unless excused by the adviser) and physics, two terms. A good background in mathematics is strongly urged.

101. College Biology. An introduction to biology covering the organization of living organisms, their general physiology, morphology, embryology, genetics, evolution and ecology. Appropriate animal and plant forms are studied in both lecture and laboratory. Open to all students.
First term *Staff*

102. College Biology. Continuation of Biology 101. Prerequisites: Biology 101 or consent of the instructor.
Second term *Staff*

201. Introductory Physiology. An introduction to the physiology of mammalian organs and organ systems. Prerequisites: Biology 101, 102, and Chemistry 101 or consent of the instructor.
First term *Mr. Buchholz*

203. Genetics. An introduction to the principles of heredity in animals and plants. Prerequisites: Biology 101, 102, or consent of the instructor.
Third term (1962-63 and alternate years) *Mr. Ketterer*

204. Botany. A review of the plant kingdom with emphasis on plant structure, physiology and classification. Open to all students.
Third term *Mr. Bowman*

205. Nutrition. Contributions of nutrition to the health and well-being of the individual, the family and society; essentials of an adequate diet based on food requirements; nutritive values of common foods; digestion and metabolism. Prerequisite: Chemistry 101 or Biology 101.
First term (1963-64 and alternate years) *Mrs. Kistler*

206. Ecology. An introduction to ecology designed to give the student an understanding of the principles and concepts of environmental interrelationships and interactions with living organisms. Prerequisites: Biology 101, 102, and Biology 204 or consent of the instructor.
Third term *Mr. Bowman*

208. Organic Evolution. An introduction to the theories of evolution, the mechanics of evolution, the problems of the origin of life and evolution of plants and animals. Prerequisites: Biology 101, 102, or consent of the instructor.
Third term (1963-64 and alternate years) *Mr. Ketterer*

301. Bacteriology. A general course consisting of a study of culture methods, morphology, identification and physiology of the bacteria. Some consideration is also given to the nature of disease and its control. Prerequisites: Biology 101, 102, or consent of the instructor.
Second term (1962-63 and alternate years) *Mr. Ketterer*

302. Histology. An introduction to vertebrate animal tissues with consideration given to the relationship of form to function. Representative tissues are studied in the laboratory. Prerequisites: Biology 101, 102.
Second term (1963-64 and alternate years) *Mr. Ketterer*

303. Comparative Physiology. A comparison of animal physiological mechanisms in the muscle, nervous, endocrine, circulatory, digestive and excretory systems. The organisms will be studied in relation to ecology and the evolution of physiological function. Prerequisites: Biology 201 and Chemistry 102.
Second term *Mr. Buchholz*

304. Advanced Physiology. A study of topics of current interest in basic and comparative physiology. Prerequisites: Biology 303 or consent of the instructor.
Third term *Mr. Buchholz*

305. Comparative Vertebrate Anatomy. A detailed study of the comparative anatomy of vertebrates. Shark, Necturus and cat are used as types in the laboratory. Prerequisites: Biology 101, 102, or consent of the instructor.
First term *Mr. Ketterer*

306. Embryology. A study of the embryological development of vertebrates. Prerequisites: Biology 305 or consent of the instructor.
Second term *Mr. Bowman*

Seminars and Individual Study

401. Seminar. Readings and discussions on selected topics designed to relate the knowledge from the several branches of biology to the whole of biological knowledge and to other learned disciplines from an historical and current problems point of view. Open to senior biology majors.
First term *Staff*

402. Experimental Biology. Advanced laboratory experimental work of the student's own choosing, not covered in other courses offered by the department. Detailed written reports are required. Open to senior biology majors.
Second or third term *Staff*

403. Research. Original research projects, chosen by the student in consultation with the staff, involving the search of primary literature sources, design and execution of experiments, and an oral and written report of the research results. Open to senior biology majors.
Second or third term *Staff*

405. Independent Study. Offered by special arrangement.
Each term *Staff*

CHEMISTRY

GARRETT W. THIESSEN, *Professor, Head*
FLOYD F. RAWLINGS, *Associate Professor*
ROBERT MEYER, *Assistant Professor*

Field of Concentration

(a) Chemistry 101, 102, 103, 201, 202, 203, 301, 302, 403; Physics 101, 102, 103 and Mathematics 151, 152, 251, 254. Reading knowledge of German. Related courses in astronomy, biology, geology and physics, so far as is possible.

(b) American Chemical Society Accreditation: All of the above plus Chemistry 303 and 401 or 402; as many related courses as possible in mathematics, physics, biology and geology.

101. Elementary Inorganic. Periodic Law, atomic structure, orbital picture of chemical bonds, phase rule, gas laws, and kinetic molecular theory, classical atomic and molecular weights, formulas, equations and stoichiometry, solutions, electrochemistry, oxidation-reduction. Four lectures, one lab (semimicro identification). Prerequisite: Two and one-half units of mathematics, slide rule.
First term *Mr. Thiessen*

102. Descriptive Elementary Organic. General survey of organic chemistry including aliphatic and aromatic hydrocarbons, important functional groups (alcohols, carbonyls, amines, etc.), carbohydrates, amino acids and proteins, natural products. Four lectures, one lab (semimicro synthesis). Prerequisite: 101 or equivalent.
Second term *Mr. Meyer*

103. Electrolytic Equilibrium. Nuclear chemistry, kinetic equilibrium, ionic equilibrium, water ph, buffers, hydrolysis, solubility products, colloids, elementary thermodynamics, complexes. Three lectures, two laboratories (separation and identification). Prerequisite: 101 or equivalent; Physics — differential and integral calculus or equivalent.
Third term *Mr. Thiessen*

201. Elementary Analytical. Gravimetry, titrimetry and the physical chemical basis for analytical chemistry. Three lectures, two laboratories (gravimetry, titrimetry, physical chemical applications, colorimetry). Prerequisite: 102, 103.
First term *Mr. Rawlings*

202. Physical Chemistry. Thermodynamics (classical and statistical), solutions, kinetic theory, liquid states, molecular structures. Four lectures, one laboratory (physical properties of elements and compounds emphasizing precision in measurement). Prerequisite: Chemistry 201 and Mathematics 254.
Second term *Mr. Rawlings*

203. Physical Chemistry. Homogeneous and heterogeneous equilibrium, electrochemistry, elementry chemical kinetics, Schroedinger equation, quan-

tum chemistry, molecular bonding. Four lectures, one laboratory (miscellaneous experiments in physical chemistry).
Third term *Mr. Rawlings*

301. Advanced Organic. Chemical bonding, resonance, sterochemistry, mechanisms of reactions for aliphatic and aromatic compounds, elimination and addition reactions, molecular rearrangements, emphasis on important synthetic procedures. Three lectures, two laboratories (advanced techniques in organic synthesis). Prerequisite: 102, 201.
First term *Mr. Meyer*

302. Advanced Analytical. Analytical complexes, redox theory, potentiometry, multiple stage separations, conductometric titrations, polarography. Three lectures, two laboratories (advanced techniques including instrumentation [electromagnetic waves and nuclear]). Prerequisite: 201.
Second term *Mr. Rawlings*

303. Theoretical Inorganic. Acid-base chemistry, co-ordination chemistry, mechanisms of inorganic reactions, descriptive inorganic chemistry. Three lectures, two laboratories (emphasis on advanced techniques of inorganic synthesis). Prerequisite: 301, 203.
Third term *Mr. Meyer*

401. Advanced Physical Chemistry. Advanced chemical kinetics, statistical mechanics, spectroscopy, advanced topics in physical chemistry. Four lectures, one laboratory (nuclear chemistry, instrumental analysis). Prerequisite: 302, 303.
First term *Mr. Rawlings*

402. Theoretical Organic. Advanced mechanistic theories, Hammett and Taft equations, heterocycles, applications of electromagnetic waves to organic chemistry. Three lectures, two laboratories (qualitative inorganic analysis, including applications of infra-red and ultra-violet spectra). Prerequisite: 301, 302.
Second term *Mr. Meyer, Mr. Thiessen*

403. Seminar. Survey of the chemical literature, oral presentations of modern topics in chemistry and an original research project chosen in consultation with the staff. Prerequisite: students must be chemistry majors in their senior year.
Third term *Mr. Meyer, Staff*

404. Independent Study. Offered by special arrangement.
Each term *Mr. Meyer*

CLASSICAL LANGUAGES

HAROLD J. RALSTON, *Professor, Head*
BERNICE L. FOX, *Associate Professor*

Latin
Field of Concentration

(a) A departmental unit of at least seven courses in addition to Latin 101 and 102, and including 401.
(b) Five or more related courses chosen with the approval of the adviser.

101. Elementary Latin. A study of grammar and syntax. Designed for the student beginning the study of Latin.
Second term *Miss Fox*

102. Elementary Latin. A continuation of Latin 101, completing syntax and starting the reading of Latin authors.
Third term *Miss Fox*

204. Vergil's Aeneid. Prerequisite: two years of high school Latin or Latin 101-102.
First term *Miss Fox*

205. Cicero. Selections from the Orations and Essays. Prerequisite: two years of high school Latin or Latin 101, 102.
Second term *Miss Fox*

301. Livy's Histories. Emphasis on the early kings and the Carthagenian Wars. Prerequisite: three years of high school Latin or its equivalent.
First term (1963-64 and alternate years) *Miss Fox*

302. Tacitus and Suetonius. The period of the Twelve Caesars, with special study of the periods of Augustus and Nero. Prerequisite: see Latin 301.
Second term (1963-64 and alternate years) *Miss Fox*

303. Pliny's Letters. Special study of Roman private life at the time of Pliny. Prerequisite: see Latin 301.
Third term (1963-64 and alternate years) *Miss Fox*

310. Roman Drama. Studies in Plautus and Terence. Prerequisite: see Latin 301.
First term (1962-63 and alternate years) *Miss Fox*

311. Latin Lyric Poetry. Readings from Catullus, Ovid and Horace. Prerequisite: see Latin 301.
Second term (1962-63 and alternate years) *Miss Fox*

312. Roman Satire. A study of the satires of Horace and Juvenal and the epigrams of Martial. Prerequisite: see Latin 301.
Third term (1962-63 and alternate years) *Miss Fox*

401. Independent Study. Individual research problems in language or literature under guidance of the instructor. Advanced students only.
By special arrangement *Miss Fox*

Greek

101. Elementary Greek. A study of Greek grammar and acquisition of vocabulary.
Second term *Mr. Ralston*

102. Elementary Greek. Continuation of the study of Greek grammar, with translation in Xenophon's *Anabasis* or other selected reading.
Third term *Mr. Ralston*

201. Greek Reading. Selections from Plato's *Apology* and *Crito,* or from the Greek historians, Septuagint, Apocrypha, or non-literary papyri.
First term (1962-63 and alternate years) *Mr. Ralston*

202. Greek Reading. Continuation of 201.
First term (1963-64 and alternate years) *Mr. Ralston*

307. New Testament. Forms, syntax and reading. Prerequisite: Greek 101-102.
Second term (1962-63 and alternate years) *Mr. Ralston*

308. New Testament. Textual and word studies and more difficult reading.
Second term (1963-64 and alternate years) *Mr. Ralston*

401. Independent Study. More advanced individual study of grammar or reading under direction of the instructor.
By special arrangement *Mr. Ralston*

Classical Civilization

(Given in English. No foreign language prerequisite.)

220. Roman Literature in Translation. A study of Roman literature in English translation. No prerequisites.
Third term (1963-64 and alternate years) *Miss Fox*

221. Classical Mythology. A study of classical myths, especially as they relate to English literature. No prerequisites.
Third term (1962-63 and alternate years) *Miss Fox*

223. Greek Civilization and Literature. Introduction to Greek life, artistic accomplishment and thought. Selections from Greek literature are read in English translation.
First term (1962-63 and alternate years) *Mr. Ralston*

224. Word Elements. Intended to aid in mastering general and technical derivatives from Greek and Latin stems. No previous study of these languages required.
First term (1963-64 and alternate years) *Mr. Ralston*

ECONOMICS AND BUSINESS ADMINISTRATION

James R. Herbsleb, *Professor, Head*
Robert Aduddell, *Instructor*
Robert Cirese, *Instructor*
Homer L. Shoemaker, *Instructor*

Field of Concentration

The field of concentration may be either in Economics or Business Administration, or these areas may be combined:

(a) Concentration in Economics requires the following courses: 305, 306, 300, 301, 309, 311, 401 and Statistics. Additional electives available would be Economics 302, 303, 310 and a Survey of Accounting (independent study).

Economics 200, 201 are required and may be used to satisfy Division II requirements, but are not included in the field of concentration.

(b) Concentration in Business Administration requires the following courses: 203, 204, 307, 308, 320, 321, or 322, 401 and Statistics. Additional electives available would be Economics 100, 322, 323, 205, 206, 324.

Economics 200, 201 are required and may be used to satisfy Division II requirements, but are not included in the field of concentration.

(c) Combined Economics and Business Administration curricula require the following courses: Survey of Accounting (independent study) or Economics 203, 204, 401, and other additional courses taken with the advice and consent of the adviser to complete the major.

Economics 200, 201 are required and may be used to satisfy Division II requirements, but are not included in the field of concentration.

200. Principles of Economics. The two-term sequence (Economics 200-201) is designed to equip the student with a fundamental and rigorous understanding of the methods and objectives of economic analysis. The course provides an intensive, orderly and objective set of basic relationships within which real world economic problems and policy questions may be analyzed.
First term *Mr. Aduddell, Mr. Cirese*

201. Principles of Economics. A continuation of Economics 200. Prerequisite: Economics 200.
Second term *Mr. Aduddell, Mr. Cirese*

203. Principles of Accounting. This course does not presume any previous training in bookkeeping. It gives thorough acquaintance with the principles of accounting as applied to the corporate form of business enterprise.
First term *Mr. Shoemaker*

204. Principles of Accounting. A continuation of Economics 203 with emphasis on the interpretation of accounts as applied to both corporations and partnerships. Prerequisite: Economics 203.
Second term *Mr. Shoemaker*

205. Intermediate Accounting. Individualized study, usually seminar, in various fields of accounting such as budgeting, cost, taxation, etc.
Second term *Mr. Shoemaker*

206. Advanced Accounting. A continuation of 205.
Third term *Mr. Shoemaker*

211. Mathematics of Finance. See Mathematics 211.

212. Elementary Statistics. See Mathematics 212.

300. Intermediate Price Theory. An intensive view of modern price theory as it applies to individuals, firms and resource owners and their interaction in markets characterized by both perfect and imperfect competition. Prerequisite: Economics 201.
Second term *Mr. Aduddell*

301. Intermediate Income Analysis. A comprehensive view of modern theories of the determination of income and employment. Includes discussion of both Keynesian and post-Keynesian developments in income theory. Prerequisite: Economics 201.
Third term *Mr. Aduddell*

302. Business and Government. A study of basic industrial organization as it is altered by government regulation, particularly the regulation of monopoly and unfair business practices as spelled out in the Sherman Act and Clayton Act. Prerequisite: Economics 201.
First term *Mr. Aduddell*

303. Government and Labor. A study of the changing position of labor before the courts and government regulation of labor unions. Prerequisite: Economics 201, 302.
Second term *Mr. Aduddell*

305. Money and Banking. A study of the history and theory of banking and the problems of monetary and fiscal policy. Prerequisite: Economics 201.
First term *Mr. Herbsleb*

306. International Economics. Analysis of our economic relations with other nations, relating to governmental policies in the area of trade and including economic development. Prerequisite: Economics 305.
Second term *Mr. Herbsleb*

307. Business Law. An introduction to the development of our legal system and the organization of our courts. Involves analysis of cases and application of principles with a view to the appreciation of the involvement and development of law in our society. Prerequisite: Economics 201.
First term *Mr. Herbsleb*

308. Business Law. A continuation of Economics 307, extending the analysis of the law into the realm of business organizations and property. Prerequisite: Economics 307.
Second term *Mr. Herbsleb*

309. Comparative Economic Systems. Analysis of the competing economies of the world — Capitalism, Socialism, Fascism, Communism. Prerequisite: Economics 201.
Second term *Mr. Herbsleb*

310. Public Finance. A study of the financing of government operations, including the problems of fiscal policy. Prerequisite: Economics 201.
Third term *Mr. Herbsleb*

311. History of Economic Thought. A study of the development of major economic thought and doctrines. Emphasis upon Mercantilists, Physiocrats, Classical School, Adam Smith, J. S. Mill, Alfred Marshall, J. B. Clark, Thorstein Veblen, J. A. Hobson, J. M. Keynes and others. Prerequisite: Economics 201.
Third term *Mr. Aduddell*

320. Investments and Finance. Analysis of the various types of investment securities from the viewpoint of the investor, with attention to methods of corporation finance. Prerequisite: Economics 201, 204.
First term *Staff*

321. Industrial Management. A study of the organization of industry and its management, including the physical plant, production, control and administration. Prerequisite: Economics 201, 203.
Second term *Staff*

322. Marketing. Principles and problems in wholesaling, retailing, advertising, chain stores and mail-order merchandising; study of buying motives and commodity markets; methods in buying, selling, transportation, storage, pricing and credit extension. Prerequisite: Economics 201.
First term *Staff*

323. Executive Management. An understanding of business reports, such as balance sheets, profit and loss statements, etc.; analyzing business problems, arriving at decisions and presenting oral and written reports. Prerequisite: Economics 201, 320, 321.
Second term *Staff*

324. Personnel Management. A study of problems and methods of personnel management; standards of living, wages, unemployment, trade union movement and methods of effecting adjustments between capital and labor. Prerequisite: Economics 201.
Third term

401. Independent Study — Seminar. A study of selected topics with emphasis on the student's responsibility in research, methods, presentation and defense of ideas. Prerequisite: Economics 201, 311.
Third term *Mr. Aduddell, Mr. Herbsleb*

EDUCATION

ALBERT NICHOLAS, *Professor, Head*
CHARLES E. WINGO, *Professor*
BEN T. SHAWVER, *Professor*
KATYE L. DAVENPORT, *Instructor*

The education department does not offer a field of concentration. The department cooperates with the other departments of the college in the preparation of teachers.

The education department offers courses to meet the requirements for certification in the elementary and secondary schools. The courses are planned primarily to meet the Illinois state requirements, but also meet the requirements in many other states. Students who plan to teach in a state other than Illinois should consult the education department in regard to the requirements in that state.

201. Introduction to American Public Education. Study of educational psychology, history and philosophy of education, and tests and measurements. Prerequisites: sophomore standing and Psychology 221.
Second term *Mr. Nicholas, Mr. Wingo*

202. Introduction to American Public Education. A continuation of 201.
Third term *Mr. Nicholas, Mr. Wingo*

220. Physical Education for Elementary Teachers. Required of all elementary teachers. See Physical Education 220.

225. Developmental Psychology. See Psychology 225.

301. The Teaching of Arithmetic and Reading. Required of all elementary teachers. Prerequisites: Education 201 and 202. Open only to juniors and seniors.
First term *Mr. Wingo*

302. Secondary Techniques, Methods and Instructional Materials. Required of all secondary teachers. Prerequisites: Education 201 and 202. Open only to juniors and seniors.
First term *Mr. Nicholas*

303. Secondary Instructional Materials and the Teaching of Reading. Required of all secondary teachers. Prerequisites: Education 201 and 202. Open only to juniors and seniors.
Second term *Mr. Nicholas, Mr. Wingo*

304. Science for Elementary Teachers. An interdisciplinary course encompassing subject matter from the natural sciences and science education. Aim of the course is the preparation of students grounded adequately in content and methods for the elementary schools of today and tomorrow. Prerequisites: a sequence of two terms in a laboratory science. The third term requirement in Division III may be met by Education 304 if the student at the beginning of the senior year is continuing to prepare for elementary school teaching. Certification of this intention of the student will be required by the registrar from the student and the adviser.
Third term *Mr. Shawver*

305. Psychology of Learning. See Psychology 305.

307. School Administration. A study of the local school system, the duties of the superintendent and principal and the supervision of instruction.
Third term (1963-64 and alternate years) *Mr. Wingo*

312. Teaching of Elementary School Music. See Music 312.

326. Teaching of Art and Children's Literature. Prerequisites: Education 201 and 202. Open only to juniors and seniors.
Summer session *Mrs. Davenport*

327S. Elementary School Art Workshop. A theory and laboratory course designed to give experience in exploring method, media and techniques useful in teaching art in elementary school. Design, mosaics, construction, paper sculpture, paper-mache and other techniques are taught.
Summer session *Mrs. Davenport*

400. Independent Study. For seniors who wish to make a special study of some project in the field of education.
First, second and third terms *Staff*

401. Student Teaching in the Elementary School. Required for the elementary certificate. Open only to seniors. Application blanks and information regarding the requirements may be obtained at the education department office. Includes directed observation and full-time teaching experience in one of the elementary grades from kindergarten through the eighth grade. Each student will work closely with a critic teacher and a supervising teacher from the education department.
First term *Staff*

401S. Secondary Student Teaching. Includes directed observation and full-time responsibility teaching in one or more of the grades seven through 12 in a recognized school, participation in weekly conferences and guided study of relevant references. Each student will work closely with a critic teacher, a college supervisor from the Education Department and a representative from the student's major department. The latter will be partly responsible for instruction in methods in the student's major field.
First term *Staff*

402. Student Teaching in the Elementary School. A continuation of 401. Successful completion of 401 is a prerequisite for admission.
Second term *Staff*

402S. Secondary Student Teaching. A continuation of 401S. Successful completion of 401S is a prerequisite for admission.
Second term *Staff*

404. Phonics Workshop. Two weeks of intensive study with 45 hours of classroom instruction in addition to outside reading requirements. Studies will be based on use of the 44 basic speech sounds as perceptual skills in teaching reading. The language laboratory, which utilizes tape-recorded language drills, will be available for practice in producing and applying speech sounds in the teaching of reading.
Summer session *Mr. Wingo*

460. Methods of Teaching Modern Foreign Languages. See French 460, German 460, Spanish 460.

ENGLISH

ALLEN C. MORRILL, *Professor, Head*
EVA HANNA CLELAND, *Professor*
ADELE KENNEDY, *Associate Professor*
RICHARD LEEVER, *Associate Professor*
GRACE BOSWELL, *Assistant Professor*
CAROLYN GRAY, *Instructor*

Field of Concentration

(a) At least seven courses in English beyond the freshman courses, 101-102. It is recommended that the following courses be taken: English 201-202,

English 204, English 221 or English 311, English 361, and at least one seminar course in both the junior and senior year.

NOTE: Upper college course prerequisites: Qualified students may apply for instructor's approval to waive usual prerequisites.

101. Freshman English. Weekly themes are required. Attention is given to the improvement of the student's vocabulary and facility in self-expression and self-correction. The course also provides an introduction to various types of literature, including the essay, short story and biography. Required of all freshmen.
First or second term *Staff*

102. Freshman English. A continuation of 101 including drama, poetry and the novel. Prerequisite: 101. Required of all freshmen.
Second or third term *Staff*

102a. An honors course for freshman students whose performance in English 101 has been outstanding. More ambitious units of writing than those of English 102 and frequent conferences with the instructor. A course aimed at developing the students' initiative and achievement. Prerequisite: English 101 and recommendation of the department.
Second or third term *Staff*

201. Survey of British Literature. British prose and poetry from their beginnings to 1800. Prerequisites: English 101 and 102.
First term *Mr. Leever*

202. Survey of British Literature. Prose and poetry of Britain from 1800 to the present. Prerequisite: sophomore standing.
Second or third term *Mr. Leever*

204. Survey of American Literature. Growth of American literature, exclusive of drama, from its beginning to 1900. A study of the principal tendencies with emphasis on major figures. Prerequisite: sophomore standing. This course may be followed by 305.
First term *Miss Kennedy*

221. Classical Mythology. See Classical Civilization 221.

300. Report Writing. Primarily technical or report writing for pre-engineering and scientific students and students preparing for graduate work. Advanced training in the gathering, preparation, organization and presentation of information.
First term (1963-64 and alternate years) *Staff*

301. Modern British Prose. Leading British writers and movements of the last 30 years.
Third term (1962-63 and alternate years) *Miss Kennedy*

305. Modern American Literature. Growth of American literature from 1900 to the present. A study of the leading writers and movements (sequel to English 204).
Second term *Miss Kennedy*

306. Creative Writing. A workshop course of self-expression and evaluation in poetry, the essay and the short story. Consent of the instructor required for admission.
Second term *Miss Fox*

307. The English Novel. A study of the English novel from its beginnings to the present.
First term (1962-63 and alternate years) *Mr. Morrill*

308. The American Novel. A study of the American novel from its beginnings to the present.
Third term (1962-63 and alternate years) *Mr. Leever*

311. Great Books and Writers to 1800. A course in comparative literature, both prose and poetry, including translated masterpieces from Egypt, Greece, Rome, Persia and India.
First term (1963-64 and alternate years) *Mrs. Boswell*

312. Great Books and Writers from 1800. Extensive library readings and class discussions of the best literary productions of Europe and the Near East since 1800.
Second term (1963-64 and alternate years) *Mrs. Boswell*

313. The English Romantic Movement. A study of British poetry and prose in the romantic period.
Third term (1962-63 and alternate years) *Mrs. Boswell*

316. Tennyson and Browning. A study of British poetry in the second half of the nineteenth century with emphasis on Tennyson and Browning, their philosophy and their relation to their contemporary thought and progress. Individual studies are made of the lesser nineteenth century poets.
Third term (1962-63 and alternate years) *Mrs. Cleland*

318. Victorian Prose. A study of the ideas of this era of change and progress as expressed in essay and fiction. Readings include such authors as Mill, Carlyle, Arnold, Ruskin, Dickens and Thackeray.
First term (1963-64 and alternate years) *Mrs. Cleland*

320. European Short Story. French, Russian, German, Spanish, Italian and British short stories are studied. National characteristics and techniques are examined.
Second term *Mrs. Cleland*

321. Seventeenth Century Literature. A study of seventeenth century British prose and poetry from the days of Donne and Jonson to the end of the Restoration.
First term (1963-64 and alternate years) *Mr. Morrill*

322. Eighteenth Century Literature. A study of eighteenth century British prose and poetry from Pope to Burns.
Third term (1963-64 and alternate years) *Mr. Morrill*

324. Biography and Diaries. A study of subjective writing as well as objective biography which throws light upon manners, customs, political, religious and literary life and interesting personalities.
Third term (1963-64 and alternate years) *Mrs. Cleland*

361. Shakespeare. A consideration of influences forming Shakespeare's background and the study of at least eight representative plays (see also English 462).
First term *Mr. Morrill*

363. The English Renaissance. A study of English writers in the sixteenth century with emphasis on Spenser, Sidney and Shakespeare's contemporaries.
Second term (1962-63 and alternate years) *Mr. Morrill*

Seminars and Individual Study

In order to encourage individual initiative and scholarly research, the English department requires English majors to elect, in the junior and senior years, at least one individual study or seminar course each year. The following courses meet this requirement:

401. Chaucer. A study of Chaucer's England, his language and his writing, especially *The Canterbury Tales.* Permission of the instructor is

required.
First term (1962-63 and alternate years) *Miss Kennedy*

403. Modern Poetry: British and American. A study of twentieth century British and American poetry. The course is conducted as a seminar with emphasis on literary movements and social significance. Prerequisites: senior standing and permission of the instructor.
Second term (1962-63 and alternate years) *Miss Kennedy*

404. Studies in American Civilization. An integrated historical, social and cultural interpretation of life, thought and institutions in the United States from 1870 to 1950. Prerequisites: English 204, senior standing and permission of the instructor. See History 404 and Sociology 404.
Second term *Morrill, Davenport, Sanmann*

409. European Drama. A study of drama as a type of literature and a critical reading of Continental plays from Aeschylus to Ibsen. Emphasis on the literary qualities and social significance of the plays. Permission of the instructor required.
First term (1963-64 and alternate years) *Miss Kennedy*

410. Modern Drama. A continuation of English 409, but may be taken separately. Extensive library reading and class discussions of the best modern dramatic productions of Europe and America. Permission of the instructor required.
Second term (1963-64 and alternate years) *Miss Kennedy*

412. English Seminar. Problems in English and American literature.
First term *Mr. Morrill*

413. Studies in Indo-European Philology. Emphasis is placed on the origin, growth and distribution of the Indo-European languages and on the history, structure and chief modifications of the English language. Permission of the instructor required.
Second term (1963-64 and alternate years) *Mr. Morrill*

420. Independent Study. Independent study may be pursued on projects students wish to study thoroughly which are not offered in the usual courses.
Given when requested. *Staff*

426. Journalism. Credit for individual study in journalism may be given to a few selected students who are working on the *Oracle*, by permission of the instructor.
Given when requested. *Staff*

430. Teaching of Secondary School English.
By special arrangement *Mr. Leever*

452. Introduction to Criticism. A seminar course studying the rise of literary criticism among the Greeks and Romans and the evolution of modern critical standards, especially as they may be applied to British and American writers. Prerequisites: English 201, 202; six hours of literature from 300 courses, and permission of the instructor.
Second term (1962-63 and alternate years) *Mr. Morrill*

462. Shakespearean Studies. A seminar in which studies will be made of Shakespearean criticism and productions of Shakespeare's plays from 1600 to the present.
(1962-63 and alternate years) *Mr. Morrill*

GEOLOGY AND GEOGRAPHY

DONALD L. WILLS, *Associate Professor, Head*
(Sabbatical Leave, 1962-63; leave of absence, 1963-64)
JOHN C. PALMQUIST, *Assistant Professor*

Field of Concentration

(a) At least seven term courses in geology, excluding Geology 101-102.

(b) At least five term courses in a related field. These may be taken in one or two departments approved by the adviser.

(c) At least one term of independent study.

No major is offered in geography.

101. Physical Geology. An introduction to the science of the earth. Materials composing the earth and the work of agencies, both external and internal, modifying its surface. Field trips to areas of geologic interest. Open to all students.
First term

102. Historical Geology. A comprehensive review of what is known and inferred about the history of the earth from its beginning to the present time. Field trips to areas of geologic interest. Prerequisite: Geology 101.
Second term

201. Mineralogy. Crystallography; chemical, physical and descriptive mineralogy; geologic occurrences, associations and uses. Prerequisite: first year chemistry, mathematics through trigonometry.
First term

202. Mineralogy. Continuation of Geology 201. Prerequisite: Geology 201.
First term

203. Petrology. Classification, occurrence, origin and hand-specimen recognition of common rocks. Prerequisite: Geology 202.
Third term

301. Structural Geology. Character, classification and origin of rock structures. Prerequisites: Geology 102; first year physics.
First term

302. Geomorphology. Origin, development and classification of landforms. Prerequisite: Geology 102.
Second term

303. Field Geology. Instruction in field methods and introduction to problems of field geology. A period of two weeks will be spent in the field visiting areas of geologic interest. Prerequisite: Consent of instructor.
Third term

401. Optical Mineralogy. Optical mineralogy; the polarizing microscope; systematic study of rocks with respect to their mineralogy, texture and genesis. Prerequisite: Geology 203.
First term

402. General Paleontology. Fundamental treatment of the basic concepts of paleontology. Systematic consideration of morphology, taxonomy and stratigraphic occurrences of invertebrate fossils. Prerequisite: first year biology; junior standing in geology.
Second term

403. Stratigraphy and Sedimentation. Principles of sedimentation; genetic relations and correlation of rock and time rock units. Prerequisite: junior standing in geology.
Third term

404. Research and Seminar. Readings in geology; independent research; preparation and presentations of papers. Open only to seniors in geology.
First term

405. Research and Seminar. A continuation of 404.
Second term

406. Research and Seminar. A continuation of 405.
Third term

Geography

101. Physical Geography. A systematic study of the physical and biotic environment. Open to all students.
Third term

GOVERNMENT

CARL W. GAMER, *Professor, Head*
HARRY S. MANLEY, *Professor*

Field of Concentration

(a) A minimum of eight courses, including Government 201 and 202, 341 or 342 and 404.

(b) A minimum of five courses in one or two related departments, chosen after consultation with the adviser.

201. Introduction to American National Government. A study of the federal government and its constitutional development. Prerequisite: sophomore standing.
First term

202. State and Local Government and Politics. A study of the political institutions of the 50 states and their subdivisions (counties, townships, cities, etc.); also, the Constitution of Illinois, to meet one of the Illinois requirements for teachers. This course is a sequence to Government 201, although both can be taken independently. Prerequisite: sophomore standing.
Second term

302. Business and Government. See Economics 302.

303. Government and Labor. See Economics 303.

310. Public Finance. See Economics 310.

311. Party and Pressure Politics. A study of the problems and conduct of elections and primaries in the United States. Special studies are made of current political campaigns. Prerequisite: History 101 and 102 or Government 201 and 202 or History 251 and 252, junior standing or consent of the instructor.
First term (1962-63 and alternate years)

320. Citizenship and the Christian Ethic. A study of areas, methods and functions of responsible citizenship in terms of the Judaeo-Christian value system as found in pronouncements of church bodies and official commentaries on these. A study of case histories of various types of action and literature on the subject of responsible citizen-participation in the affairs of local, state, and national government and international affairs. Identification of existing unsolved problems. Opportunity to work on some supervised project to apply knowledge gained. Prerequisite: Government 201 or 202.
Third term (1962-63 and alternate years)

330. Government and Politics in Metropolitan Areas. Organization, administration and functions of government in metropolitan areas; some special problems. Prerequisite: Government 201 or 202. Junior standing or consent of the instructor.
Second term

341. Foreign Governments, I. A study of government and political activity in England, Canada, France, Germany, Italy, Switzerland, the Scandinavian countries. Prerequisite: History 102 or Government 201 or 202. Junior standing or consent of the instructor.
Second term (1962-63 and alternate years)

342. Foreign Governments, II. A study of government and political activity in the USSR and selected countries of Asia, Latin America and Africa. Prerequisite: History 102 or Government 201 or 202. Junior standing or consent of the instructor.
Third term (1962-63 and alternate years)

351. Political Theory to the Eighteenth Century. An historical survey and philosophical analysis of political theory from the time of the Greeks to the close of the seventeenth century. Required reading from the works of Plato, Aristotle, Machiavelli, Hobbes, and Locke. Prerequisite: Government 201 or 202.
Second term

352. Modern Political Theory. A continuation of Government 351 from the beginning of the eighteenth century to the present. Required reading from Rousseau, Burke, Hegel, Mill, and Communist, Fascist and Socialist theorists. Prerequisite: Government 201 or 202.
Third term

360. Public Administration. A study of the nature, scope and development of the American administrative system, the theory of organization, staff and auxiliary agencies, chief executive, administrative departments, independent regulatory agencies, government corporations, administrative relationships and science in administration. Prerequisite: Government 201 or 202.
Third term (1962-63 and alternate years)

361. Legislatures and Legislation. A study of the legislative process, methods of getting information, public opinion and special interests, the struggle for power and the public interest. Prerequisite: Government 201 or 202. Junior standing.
Third term (1963-64 and alternate years)

380. World Politics. A study of states in relation to each other; as friends, rivals, contestants; the influence of nationalism, economic rivalry, power politics; causes of conflict, means of resolving conflict and avoiding war. Prerequisite: Government 201 or 202, or History 102.
First term (1963-64 and alternate years)

390. International Law. A study of the growth and nature of international law, substantive and procedural rules, using text and cases; current problems, new developments. Prerequisite: Government 201, 341, 342, or 380, or consent of the instructor.
Second term (1963-64 and alternate years)

391. International Organization. A study of the nature, organization, and functions of international organization, serving political and economic ends.
Third term (1963-64 and alternate years)

395. American Constitutional Law and Theory. A study of leading principles of American Government as developed through judicial interpretation of the Constitution. Prerequisite: Government 201, 202 or consent of the instructor. Junior standing.
First Term

396. American Constitutional Law and Theory. A continuation of 395.
Second term

Seminars and Individual Study

401. Independent Study. Selected readings, written reports, conferences. Prerequisite: junior or senior standing. By arrangement with the instructor.
Third term (1963-64 and alternate years)

402. Soviet Civilization Seminar. An interdepartmental (see Economics 402, English 402 and History 402) or a departmental seminar to study the political and cultural life of the USSR. Prerequisite: consent of the instructor.
By special arrangement

404. Senior Seminar. Required of all majors in government. A schedule of reading, reports and discussion designed to give a broad knowledge of the literature in the discipline of Political Science.
Second term (1963-64 and alternate years)

HISTORY

F. Garvin Davenport, *Professor, Head*
Mary Bartling Crow, *Assistant Professor*
Douglas R. Spitz, *Assistant Professor*

Field of Concentration

(a) A minimum of seven courses including at least two courses from the 101-103 sequence, either 251 or 252, and 400 and 408. (To qualify for graduate work, the student should have nine courses in history.)

(b) Five courses in one or two related departments.

(c) The senior comprehensive examination in history.

101. Western Civilization. The main cultural and political features of Ancient and Medieval Civilization.
First or Third term *Staff*

102. Western Civilization. A continuation of 101, but may be taken separately. Emphasis on the Renaissance, Reformation, Commercial Revolution and rise of national states through the Napoleonic era.
Second term *Staff*

103. Western Civilization. A continuation of 102, but may be taken separately. Emphasis on the main political, social and economic forces in Europe since 1815.
Third term *Staff*

251. American History, 1492-1865. A study of the main political, social and economic factors in the colonial, early national and Civil War periods.
First term *Mr. Davenport*

252. American History since 1865. A continuation of 251, but may be taken separately. Emphasis on Reconstruction, rise of big business, agrarian and labor movements and the United States as a world power.
Second term *Mr. Davenport*

290. Latin America. Emphasis on the independence movements and the

political and social development of the modern republics.
Third term *Mrs. Crow*

301. Modern China. Covers the period from 1800 to the present, with emphasis on the impact of the West on China.
Third term (not offered 1962-63)

302. Modern Japan. Social, economic and political development of modern Japan, with emphasis on the Japanese response to the problems posed by contacts with the Western world.
Second term (not offered 1962-63)

303. Modern India. A study of political, social and economic factors in modern India, with particular attention to British colonialism and the independence movement.
Third term (not offered 1962-63)

311. History of Greece. From the Minoan civilization through the Hellenistic period. Emphasis on the social, cultural and political development significant in the context of Western civilization. Not open to freshmen.
First term (not offered 1962-63)

312. History of Rome. An interpretation and evaluation of Roman civilization with special emphasis on the role of Rome in the founding of Europe. Not open to freshmen.
Second term (not offered 1962-63)

322. Medieval History. A study of medieval social and cultural life and its influence on later history. Prerequisite: History 101 or consent of instructor.
Third term (1962-63 and alternate years) *Mr. Spitz*

333. French Revolution and Napoleon. The ancient regime, the enlightenment of the eighteenth century, the revolution and rise of Napoleon. Prerequisite: History 102 or consent of instructor.
First term *Mrs. Crow*

334. Nineteenth Century Europe. A study of the industrial revolution, the growth of democracy, nationalism and imperialism from 1815 to 1890.
Second term *Mrs. Crow*

335. Twentieth Century Europe. An investigation of European history from 1890 to the present with emphasis on imperial and Nazi Germany as the focal point of European politics.
Third term (1962-63 and alternate years) *Mr. Davenport*

341. History of Great Britain. English political and social development from the fifteenth to the eighteenth century.
Second term (1963-64 and alternate years) *Mr. Spitz*

342. History of Great Britain. A continuation of 341 but may be taken separately. Growth of the Empire, the development of the modern parliament and political and social reform. England in the two world wars of the twentieth century.
Third term (1962-63 and alternate years) *Mr. Spitz*

344. Modern Russia. A study of the political, social and economic developments in Russia in the nineteenth and twentieth centuries. Emphasis on the period since 1856 with special attention to Marxian ideology.
Second term (1962-63 and alternate years) *Mr. Spitz*

351. History of American Culture. A study of American intellectual

and cultural growth from the colonial period to about 1910. Prerequisite: History 251-252 or consent of the instructor.
First term *Mr. Davenport*

353. Twentieth Century America. A study of the social and intellectual life of the United States from about 1910 to the present. Prerequisite: History 351 or consent of the instructor.
Second term *Mr. Davenport*

384. History of the South. A study in regional history. Emphasis on the social and economic life of the South from 1800 to 1880.
Third term (1963-64 and alternate years) *Mr. Davenport*

Seminars and Individual Study

400. Junior Seminar. Introduction to historical method and research. Individual projects. Required of all history majors in the junior year.
First term *Mr. Davenport*

402. Soviet Civilization. Individual projects in the political and cultural life of the USSR. Conducted on the seminar plan. Prerequisite: History 344.
Third term *Mr. Spitz*

404. Studies in American Civilization. (See also English 404 and Sociology 404). An integrated historical, social and cultural interpretation of life, thought and institutions in the United States since 1870. Individual projects. Open only to English, history and sociology majors selected by the chairmen of the three departments.
Third term *Mr. Davenport, Mr. Morrill, Mrs. Sanmann*

408. Senior Seminar. Individualized study in American or European history. Required of all history majors in the senior year.
Second term *Mr. Davenport*

MATHEMATICS

Rupert D. Boswell, Jr., *Professor, Head*
Lyle Finley, *Professor*
Paul Cramer, *Associate Professor*
James McAllister, *Associate Professor (leave of absence, 1962-63)*
John D. Arrison, *Assistant Professor*
Fern W. Cramer, *Instructor*

Field of Concentration

(a) At least seven term courses with at least three of them numbered 300 or higher.

(b) Five related courses from one or two other subjects approved by the department. Courses numbered 100, 111, and 112 will not count towards a major.

100. Introduction to Mathematics. The number system, sets, axioms, classical and modern geometry, functions and graphs.
Each term *Staff*

111. College Algebra. Quadratic equations, simultaneous equations, progressions, theory of equations, etc.
First or second term *Staff*

112. Trigonometry. Trigonometric functions, logarithms, identities and

solution of triangles. Prerequisite: Mathematics 111 or equivalent.
Each term *Staff*

151. Analytic Geometry and Calculus. Fundamental ideas of functions, the straight line, the conics and an introduction to the concepts of calculus. Prerequisites: Mathematics 111 and 112 or equivalent.
First or second term *Staff*

152. Analytic Geometry and Calculus. A continuation of 151.
First or second term *Staff*

211. Mathematics of Finance. Interest, discount, annuities, amortization, sinking funds, bonds, depreciation, elements of actuarial science. Prerequisite: Mathematics 111 or equivalent.
First term

212. Elementary Statistics. A study of central tendency and variability; frequency, binominal, normal and chi-square distributions; correlation and regression; and analysis of variance and applications in related fields. Prerequisite: Mathematics 111.
Second term

232. Essentials of Mathematics. Fundamental operations with natural numbers, inequalities, decimal numbers, percentage, measurement, irrational numbers.
Third term

251. Calculus. Further study of the techniques of differentiation and integration with applications to physics and engineering. Prerequisite: Mathematics 152.
First or third term *Staff*

254. Differential Equations. An introduction to ordinary and partial differential equations and their applications. Prerequisite: Mathematics 251.
Second term *Staff*

301. Advanced Calculus. Series, partial differentiation, definite integrals, Fourier series. Prerequisite: Mathematics 254.
Third term *Staff*

309. Vector Analysis. The algebra of vectors, vector fields, vector operators, introduction to geometry, mechanics and electricity. Prerequisite or corequisite: Mathematics 254.
First term *Staff*

311. Introduction to Modern Algebra. Rings, integral domains, fields, groups, determinants and matrices. Prerequisite: Mathematics 152.
First or second term *Staff*

312. Introduction to Modern Algebra. A continuation of 311.
First or second term *Staff*

315. Theory of Numbers. The properties of the whole numbers, divisibility, diophantine equations, prime numbers, congruences, residues, additive number theory. Prerequisite: Mathematics 152.
First term *Staff*

316. College Geometry. Foundations of plane geometry, geometric constructions, use of loci, fundamental theorems, the harmonic range, systems of circles, inversion.
Third term *Staff*

340. Probability. Random variables, binomial, Poisson and normal distributions, mathematical expectation. Prerequisite: Mathematics 212.
By special arrangement *Staff*

341. Functions of a Complex Variable. Series, conformal mapping, analytic functions, residues, complex integration. Prerequisites: Mathematics 301.
Third term *Staff*

403. Advanced Applied Mathematics. Ordinary differential equations, elementary set and matrix theory, hyperbolic functions, elliptic integrals, infinite series, Fourier series. Prerequisites: Mathematics 301 and 309.
Second term *Staff*

404. Advanced Applied Mathematics. Gamma, Bessel and Legendre Functions, partial differential equations, vector analysis, probability and numerical methods, functions of a complex variable, operational calculus. Prerequisites: Mathematics 301 and 309.
Third term *Staff*

421. Independent Study and Seminar. Selected topics in advanced mathematics. Prerequisite: Mathematics 301.
First or second term *Staff*

422. Independent Study and Seminar. A continuation of 421.
First or second term *Staff*

Astronomy 202. Introduction to Astronomy. A non-laboratory course dealing with basic facts and principles of astronomy.
By special arrangement *Staff*

Engineering 101. Engineering drawing and descriptive geometry. Use of instruments, orthographic projections, dimensioning, sectioning and pictorial drawing. Representation of points, lines, planes and curved surfaces with applications.
First or second term *Mr. Cramer*

Engineering 102. A continuation of Engineering 101.
First or second term *Mr. Cramer*

Engineering 203. Surveying. Plane and topographical surveying with field work in the use of tape, level and transit. Prerequisite: Mathematics 112 or equivalent.
Third term (1963-64 and alternate years)

Engineering 207. Analytic Mechanics. A continuation of Physics 208.
Third term *Mr. Cramer*

MODERN FOREIGN LANGUAGES

Dorothy Donald, *Professor of Spanish, Head*
Edwin Pleasants, *Associate Professor of Spanish*
Erika Blaas, *Associate Professor of German*
Momcilo Rosic, *Assistant Professor of Russian*
Arturo Serrano, *Assistant Professor of Spanish*
Johann Struth, *Assistant Professor of German*
Alexandra Kaminska, *Instructor in French*
Antoinette Lerond, *Instructor in French*

Field of Concentration

(a) A departmental unit of at least seven term courses, selected with the aid of a departmental counselor, that covers the significant periods of the literature and other aspects of the spoken and written language. Evidence of ability to develop a given linguistic or literary subject in-

volving research, organization and critical judgment through at least one independent study course.

(b) Five related courses chosen from one or two fields with the approval of the adviser.

Students are encouraged to participate in the foreign study program which provides for a summer, a term, or a year in a foreign country. Contacts in the past have been made with Universite Laval, Quebec; Mexico City College; National University of Mexico; the Sorbonne; Heidelburg; and Freiburg i. Br. Candidates for foreign study must be approved by the department and programs must be planned well in advance.

On the basis of placement examinations, recommendations for courses are made to students who wish to continue a language studied in high school. A proficiency examination provides a means of meeting the foreign language requirement for graduation.

French

101. Elementary. Introduction to spoken and written French. Attention to pronunciation with practice in using the language. Laboratory facilities provide authentic speech patterns. This course builds a foundation for reading the language.
First or second term *Staff*

102. Elementary. A continuation of 101.
Each term *Staff*

201. Intermediate. Selected readings of modern literature, with conversational approach. Continued emphasis on oral and written expression, aided by laboratory practice. Introduction to French contributions to the arts and sciences, illustrated by films, slides, tapes and discs.
Each term *Staff*

202. Intermediate. A continuation of 201.
Second or third term *Staff*

299. Conversation and composition. Practice in fluent speech and correct writing, with discussions and oral and written reports from selected authors and French-language periodicals.
First term *Mlle. Lerond*

301. The Novel. Background of the French novel, followed by the interpretation and analysis of outstanding modern authors such as Balzac, Flaubert, Proust and Gide. Use of literary recordings. Alternates with 305.
Second term (1962-63 and alternate years) *Miss Kaminska*

305. Short Story and Essay. Study of: a) the French short story as a literary genre, represented by Maupassant and Anatole France; b) the essay, introduced by Montaigne and cultivated by La Bruyere; and c) criticism by Sainte-Beuve. Alternates with 301.
Second term (1963-64 and alternate years) *Miss Kaminska*

306. French Theatre. A study of the genres of French classical tragedy and comedy. Study and analysis of the works of Corneille, Racine, Moliere and Voltaire. Alternates with 307.
Second term (1962-63 and alternate years) *Miss Kaminska*

307. French Theatre. Drama of the nineteenth and twentieth century playwrights including Hugo, Musset, Giraudoux, Camus and Sartre.
First term (1962-63 and alternate years) *Miss Kaminska*

308. Moliere. Reading, analysis and discussions of selected plays with emphasis on the classical aspects of language and style.
Third term (1962-63 and alternate years) *Mlle. Lerond*

319. Mediterranean Culture, 1500-1650. Aesthetic aspects of the Mediterranean world as reflected in literature, architecture, painting and sculpture. Correlation of historical background. Reading from French, Italian and Spanish literature in the original or in translation. Collaboration with the art and foreign language departments.
Second term (1963-64 and alternate years) *Miss Donald, Mrs. Hamilton*

320. Individual or Group Study. Specialized study, under guidance of the instructor, of certain aspects or periods of French literature, i.e., Medieval literature, the "Encyclopedists," French lyrics, memoirs and letters, contemporary literature.
Each term *Staff*

401. Independent Study. Individual research problems under guidance of the instructor.
Each term *Staff*

460. Methods of Teaching Modern Foreign Languages. Discussion, observation and practice in the field of foreign language teaching. Introduction to phonetics and linguistics. Attention given to teaching in elementary grades and practice with audio-visual aids.
Third term (1963-64 and alternate years) *Miss Donald*

Reading in the Field of Concentration. See Chemistry 404, Biology 401 and Physics 401. In such courses the department acts as consultant for French-language material.
By special arrangement *Staff*

German

101. Elementary. An introduction to the German language, with emphasis on pronunciation and comprehension. Laboratory practice supplements classroom instruction. A foundation for reading and writing the language.
First or second term *Miss Blaas, Mr. Struth*

102. Elementary. A continuation of 101.
Second or third term *Miss Blaas, Mr. Struth*

201. Intermediate. Extensive reading of modern literature. Continued attention to written expression through diary, letter and essay writing; further practice in conversation through class and laboratory work. Acquaintance with essential aspects of German culture, through such media as monthly German newsreels.
First or third term *Miss Blass, Mr. Struth*

202. Intermediate. A continuation of 201.
First or second term *Miss Blaas, Mr. Struth*

202S. Intermediate Scientific. Reading and discussion of scientific texts, biographies of scientists and a leading German newspaper. Use of German scientific films, tapes and discs (from Institut fur Film und Bild). Primarily for science majors.
First or second term *Miss Blaas*

299. Conversation and Composition. Concentrated training in fluent speech and correct writing. Practice with such material as book reviews and written and oral reports in the field of art and music.
Third term *Miss Blaas*

301. Introduction to the Study of German Literature. A study of the major works and movements in German literature from the Early Period to the Age of Enlightenment. Extensive use of phonograph records of the "literatur-archiv." Prerequisites: 201-202 or the equivalent.
First term *Miss Blaas*

302. Introduction to the Study of German Literature. A continuation of 301 concentrating on the Classical Period through the early twentieth century.
Second term *Miss Blaas*

320. Individual or Group Study. Specialized study, under guidance of the instructor, of certain aspects of German literature. Prerequisite: a 300 course or consent of the instructor.
Each term *Miss Blaas*

401. Independent Study. Individual research problems under guidance of the instructor. Preparation for studies in Germany.
Each term *Miss Blaas*

460. Methods of Teaching German. See French 460.
Third term upon request *Miss Blaas*

Reading in the Field of Concentration. See Chemistry 404, Biology 401 and Physics 401. In such courses the department of German acts as consultant for German-language material.
By special arrangement *Miss Blaas*

Spanish

101. Elementary. An introduction to Spanish as a spoken and written language. Regular practice in the classroom and laboratory in hearing and imitating current, realistic speech. Four-fold aim of speaking, comprehending, reading and writing the language.
First or second term *Staff*

102. Elementary. A continuation of 101.
Each term *Staff*

203. Intermediate. Continued emphasis on the spoken and written language, aimed toward adequate oral and written expression. Readings from modern literature, with analysis and interpretation. Acquaintance with cultural aspects of Spain and Spanish America.
Each term *Staff*

204. Intermediate. A continuation of 203.
Each term *Staff*

299. Conversation and Composition. Further development of fluency in handling the spoken and written language. Subject matter for practice includes literature, geography, current history and other phases of Hispanic civilization. Use of periodicals, records and tapes. Required of majors or substituted by proficiency test.
First or third term *Mr. Serrano*

305. Modern Spanish Literature. Brief studies of Spanish peninsular literature of the nineteenth and twentieth centuries. The first course deals with prose, emphasizing Perez Galdos, Generation of '98 and Ortega y Gasset. Alternates with 307 and 308.
First term (1962-63 and alternate years) *Miss Donald*

306. Modern Spanish Literature. A continuation of 305. The study of the Romantic movement in drama and poetry; Benavente, pre-civil war poets and contemporary poets and playwrights. Alternates with 307 and 308.
Second term (1692-63 and alternate years) *Miss Donald*

307. Spanish American Literature. A consideration of the search for identity of the rising Spanish American nations through their literature. The first course deals with prose, emphasizing such essayists as Rodo, Henriquez Urena, Vasconcelos and Alfonso Reyes. Alternates with 305 and 306.
First term (1963-64 and alternate years) *Mr. Pleasants*

308. Spanish American Literature. A continuation of 307 dealing with poetry and poetic prose, from Araucana epic to contemporary poets including Neruda, Borges and Torres Bodet. Alternate years with 305 and 306.
Second term (1963-64 and alternate years) *Mr. Pleasants*

315. Drama of the Golden Age. A study of selected plays of Lope de Vega, Calderon Tirso de Molina and Alarcon with analysis of dramatic structure and ideological concepts of the age. Prerequisite: 300 course. Alternates with 316.
Third term (1962-63 and alternate years) *Mr. Pleasants*

316. Cervantes. A study of Cervantes' masterpiece *Don Quijote,* in addition to the *Novelas ejemplares.* Consideration of the life, character and milieu of the author. Prerequisite: 300 course. Alternates with 315.
Third term (1963-64 and alternate years) *Miss Donald*

319. Mediterranean Culture, 1500-1650. See French 319.

320. Individual or Group Study. Specialized study, under guidance of the instructor, of certain aspects or periods of Spanish and Spanish American literature; i.e.;, literature before 1500, Romancero, Picaresque Novel, Chronicles of the Spanish Conquest, Short Story and Essay, Novels of the Mexican Revolution, Contemporary Hispanic Ideology.
Each term *Staff*

401. Independent Study. Individual research problems under guidance of the instructor.
Each term *Staff*

460. Methods of Teaching Modern Foreign Languages. See French 460.
Third term (1963-64 and alternate years) *Miss Donald*

Reading in the Field of Concentration. The Department of Spanish acts as a consultant for Spanish-language material.
By special arrangement *Staff*

Russian

101. Elementary. Introduction to the spoken and written Russian language, with emphasis on the distinctive characteristics of the structure of

the language. The laboratory affords drills in pronunciation and practice in listening, comprehending and speaking. It also facilitates the acquisition of an active and passive vocabulary and use of grammatical principles.
First term *Miss Kaminska*

102. Elementary. A continuation of 101 including simplified reading of Chekhov.
Second term *Miss Kaminska*

201. Intermediate. Continued emphasis on the oral and written language through laboratory practice. Readings from Russian authors, with audio-visual aids, affording a broader acquaintance with the Russian language and its people.
First term *Mr. Rosic*

202. Intermediate. A continuation of 201.
Second term *Mr. Rosic*

320. Individual or Group Study. Specialized study, under guidance of the instructor, of certain aspects of literature and other fields of Russian culture.
Third term *Staff*

Reading in the Field of Concentration. See Chemistry 404, Biology 401 and Physics 401. In such courses the department acts as consultant for Russian-language material.
By special arrangement *Miss Kaminska*

MUSIC

Heimo A. Loya, *Professor, Head*
Elwood Ball, *Assistant Professor*
Paul Lyddon, *Instructor*
Douglas Peterson, *Instructor*
Grace Gawthrop Peterson, *Instructor*

It is the aim of the Music Department to provide:

1. Opportunities in performance and classwork for any student to develop an understanding and appreciation of music.
2. A four-year course for students whose interest leads them to concentrate in music as an end in itself or as preparation for graduate study and a professional career.
3. A four-year course which will comply with state requirements in both music and education for students who wish to become supervisors or teachers of music in elementary and secondary schools.

Field of Concentration

(a) A departmental unit of at least the following courses: Music 102, 103, 201, 202, 321, 322, and two courses in Applied Music (private lessons).

(b) At least five related courses chosen with the approval of the adviser.

NOTE: A general major should carry, in addition to the above, Music 203, 303, 401 and 402.

A student concentrating in performance should carry two additional courses in Applied Music: Music 203, 401 and 402.

A student preparing for certification in Music Education should carry 311, 312 and 313 or 303 and 314, and another course in Applied Music, as well as the necessary courses in the Education department.

101. Introduction to Music. This course is designed to develop an understanding of music through a study of musical materials, principles of organization and historical styles. Open to all students: those with little or no musical experience should enroll in Section A: prospective majors and those with considerable musical training, Section B.
Each term *Staff*

102. Theory of Music I. An approach to the elements of music — melody, harmony, rhythm and form — as employed during the functional harmonic period (eighteenth and nineteenth centuries) through the development of skills in hearing, singing, keyboard, writing and analysis.
Second term *Mr. Lyddon*

103. Theory of Music II. A continuation of Music 102.
Third term *Mr. Lyddon*

201. Theory of Music III. Advanced Harmony. A continuation of Music 103.
First term *Mr. Lyddon*

202. Theory of Music IV. Counterpoint. The principles of modern counterpoint. Analysis and composition of two- and three-part inventions.
Second term *Mr. Lyddon*

203. Canon and Fugue. A continuation of Music 202. Advanced study in contrapuntal writing, based on the analysis of the fugues of Bach. The use of fugal devices in classic and modern composition.
Third term (1962-63 and alternate years) *Mr. Ball*

301. Composition I. Creative work in small forms and for various mediums. Includes study and analysis of contemporary techniques. Individual study.
First term (1962-63 and alternate years) *Mr. Loya*

302. Composition II. Continuation of Music 301. Individual study.
Second term (1962-63 and alternate years) *Mr. Loya*

303. Orchestration. Study of the characteristics and potential of orchestral instruments, and of their combination in small groups and in the full orchestra. Arranging original compositions for musical groups on the campus. Individual study.
Third term (1962-63 and alternate years) *Mr. Loya*

311. Conducting. Principles and methods of conducting. Technique of the baton. Interpretive study of both choral and instrumental scores. Practical experience in conducting musical groups on the campus.
First term (1962-63 and alternate years) *Mr. Peterson*

312. Teaching Music in the Elementary Schools. Music fundamentals, teaching skills and actual teaching methods at different age levels. A comprehensive coverage of music requirements for prospective elementary

teachers with special emphasis on singing and functional piano technique.
Third term (1962-63 and alternate years)

313. Choral Techniques. Teaching and administration of vocal music in secondary schools. The general music program, the changing voice, instructional problems and materials for vocal ensembles and operetta production.
Second term (1962-63 and alternate years) *Mr. Peterson*

314. Instrumental Techniques. Teaching and administration of instrumental music in public schools. Techniques of group instruction, materials and equipment. Principles and methods of conducting school orchestras and bands, to include an intensive survey of the literature.
Third term (1963-64 and alternate years) *Mr. Loya*

321. History and Literature of Music I. Study of works, styles, and musical activity from earliest times to the sixteenth century, including the study of the relationship of the art to contemporary, social, cultural and political circumstances. Emphasis on aural appreciation of style, evolution throughout history. Primarily for music majors. Others with the consent of the instructor.
First term (1963-64 and alternate years) *Mr. Peterson*

322. History and Literature of Music II. Continuation of Music 321. From the sixteenth century to the present.
Second term (1963-64 and alternate years) *Mr. Peterson*

323. Twentieth Century Music. A study of the contemporary trends in music as manifested in the works of such composers as Stravinsky, Schoenberg, Prokofieff, Hindemith, Bartok, Copeland and Barber and an evaluation of the Jazz idiom. Designed to give students a background for intelligent appreciation and understanding of modern music. Prerequisite: 101 or consent of the instructor.
Third term (1963-64 and alternate years) *Mr. Peterson*

324. Sacred Music. Music specifically related to the Protestant church. Major sacred works from all periods are heard and discussed. A portion of the term's work is devoted to a critical appraisal of the standard church repertory of anthems, larger choral works, organ literature and hymns. Provision is made in this part of the course for the student to pursue detailed studies pertinent to his major interest.
Second term (1963-64 and alternate years) *Mr. Ball*

Seminars and Individual Study

401. Seminar. Primarily for junior and senior majors in music. Areas of study will include topics of special interest to the student, with extensive independent reading and required weekly reports.
First term *Staff*

402. Independent Study. Research in an area of specialization. Open only to students completing a major in music.
Second or third term *Staff*

Applied Music

Private Lessons. Instruction in solo performance is offered on a uniform basis of one 30-minute individual lesson and one class meeting weekly, with a minimum of one hour's practice daily, for one-sixth credit each

term. Music majors may elect to combine two one-sixth units (on a basis of two half-hour lessons and a class period per week) with a minimum of two hours practice daily for one-third credit each term. No credit will be given until the equivalent of a full course has been completed.

Odd numbers indicate a one-sixth credit per term; even numbers, one-third credit.

Music 141 or 142	Organ	*Mr. Ball*
Music 241 or 242	Organ	*Mr. Ball*
Music 342	Organ	*Mr. Ball*
Music 442	Organ	*Mr. Ball*
Music 145 or 146	Piano	*Mr. Lyddon, Mrs. Peterson*
Music 245 or 246	Piano	*Mr. Lyddon, Mrs. Peterson*
Music 346	Piano	*Mr. Lyddon, Mrs. Peterson*
Music 446	Piano	*Mr. Lyddon, Mrs. Peterson*
Music 151 or 152	Voice	*Mr. Peterson*
Music 251 or 252	Voice	*Mr. Peterson*
Music 352	Voice	*Mr. Peterson*
Music 452	Voice	*Mr. Peterson*
Music 155 or 156	Orchestral Instruments	*Mr. Loya*
Music 255 or 256	Orchestral Instruments	*Mr. Loya*
Music 356	Orchestral Instruments	*Mr. Loya*
Music 456	Orchestral Instruments	*Mr. Loya*

Musical Organizations

264. College Choir. Registration by permission of the instructor. Attendance at choral society rehearsals required (one-sixth credit each term).
Mr. Peterson

265. College Choir. A continuation of 264 (one-sixth credit each term).
Mr. Peterson

266. College Choir. A continuation of 265 (one-hixth credit each term).
Mr. Peterson

261. Orchestra. A laboratory course in the theory and practice of orchestral and chamber music. (one-sixth credit each term)
Mr. Loya

262. Orchestra. A continuation of 261 (one-sixth credit each term).
Mr. Loya

263. Orchestra. A continuation of 262 (one-sixth credit each term).
Mr. Loya

264a. Chorale. Limited to 16 voices. Registration by permission of the instructor (one-sixth credit each term).
Mr. Peterson

265a. Chorale. Continuation of 264a (one-sixth credit each term).
Mr. Peterson

266a. Chorale. A continuation of 265a (one-sixth credit each term).
Mr. Peterson

267. Symphonic Wind Ensemble. Registration by permission of the instructor. (one-sixth credit each term)

Mr. Loya

268. Symphonic Wind Ensemble. A continuation of 267 (one-sixth credit each term).

Mr. Loya

269. Symphonic Wind Ensemble. A continuation of 268 (one-sixth credit each term).

Mr. Loya

(No credit will be given until the equivalent of a full course has been completed.)

PHILOSOPHY

SAMUEL M. THOMPSON, *Professor, Head*
J. PRESCOTT JOHNSON, *Associate Professor*

Field of Concentration

(a) A departmental unit of at least seven terms in philosophy including either 301, 302 or 303, 304 and two terms of individual study.

(b) Five related courses chosen from one or two fields with the approval of the adviser.

101. Introduction to Philosophy. An introduction to the general field and methods of philosophy, and the basic problems in the philosophy of science and the philosophy of man and human culture.

Each term *Mr. Thompson*

102. Introduction to Logic. A study of logical relations with special emphasis upon the development of skill in the logical control and evaluation of thinking.

Second and third terms *Mr. Johnson*

210. Advanced Logic. Techniques of symbolic logic and problems of logical theory. Prerequisite: Philosophy 101.

First term *Mr. Johnson*

213. Philosophy of Religion. A study of philosophical problems raised by basic religious beliefs and concepts. Open without prerequisite to all students except freshmen. This course is also listed under the Department of Bible and Religion, and may be used to satisfy Bible and Religion requirements.

Third term *Mr. Thompson*

301. Greek and Medieval Philosophy. A study of the development of Greek and medieval philosophy, with emphasis on Plato, Aristotle, Augustine and Thomas Aquinas. Special attention will be given to the historical roots of contemporary problems. Prerequisite: 101, or junior or senior standing.

First term (1963-64 and alternate years) *Mr. Thompson*

302. Modern Philosophy. A continuation of 301, but may be taken by students who have not had 301. A study of the major philosophers from the Renaissance to the present century. Prerequisite: 101, or junior or senior standing.

Second term (1963-64 and alternate years) *Mr. Johnson*

303. Ethics. An analysis of basic moral concepts and a study of their application in personal choice and decision, and of the principal historical and contemporary ethical theories. Prerequisite: 101, or junior or senior standing.

First term (1962-63 and alternate years) *Mr. Johnson*

304. Political Philosophy. Theories concerning the nature of the state, the nature of law, the authority of the state and political obligation. A comparison of competing political philosophies. Prerequisite: 101, or junior or senior standing.
Second term *Mr. Thompson*

305. Contemporary Philosophy. Twentieth century philosophy, its roots in nineteenth century thought, and present issues in Anglo-American and European philosophy. Prerequisite: 301 and 302, or consent of the instructor.
Second term (1962-63 and alternate years) *Mr. Johnson*

306. Oriental Philosophy. A study of the chief schools of thought of China and India, and their influence throughout the Orient. Prerequisite: 301 and 302 or consent of the instructor.
Second term (1963-64 and alternate years) *Mr. Johnson*

315. Aesthetics. A study of values in literature, music, painting and other arts, with special attention to the relation of aesthetic experience and judgment to scientific and religious thought. Prerequisite: 101, or junior or senior standing.
First term (1962-63 and alternate years) *Mr. Thompson*

316. Philosophy of Science. The nature of scientific knowledge, and development of modern scientific concepts and the relation of science to other methods of inquiry and areas of knowledge. Prerequisite: 101, or junior or senior standing.
Third term *Mr. Johnson*

Seminars and Individual Study

Each philosophy major is expected to take at least two individual study courses during each of the junior and senior years. Other juniors and seniors who have satisfied the prerequisites may be admitted to these courses by permission of the instructor.

401. Philosophy Seminar. A study of philosophical methods as exemplified in the work of selected philosophers. Prerequisite: four courses in philosophy.
First term

405. Philosophy of Education. Theories and basic concepts of education in relation to general philosophical issues. Seminar or independent study. Prerequisites: Philosophy 301, 302.
By special arangement

406. Philosophy of History. A study of theories concerning the nature of historical knowledge and an examination of their assumptions. Seminar or independent study. Prerequisite: Philosophy 301, 302.
By special arrangement

411. Junior Independent Study. Individual reading, reports and papers in areas of special interest to the student. Prerequisite: four courses in philosophy.
Second term

412. Junior Independent Study. A continuation of 411.
Third term

421. Senior Independent Study. Continuation of Philosophy 411 and 412, culminating normally in the preparation of a senior thesis. Prerequisite: Philosophy 412.
Second term

422. Senior Independent Study. A continuation of 421. Prerequisite: 421.
Third term

PHYSICAL EDUCATION

JOSEPH PELISEK, *Assistant Professor, Acting Head*
ROBERT WOLL, *Associate Professor, Director of Athletics*
HENRY ANDREW, *Assistant Professor*
P. O. SMITH, *Assistant Professor*
MARGARET JONES, *Instructor*
MARY FLEMING, *Instructor*

The Physical Education Department aims to provide opportunities for students to grow in an environment that is physically stimulating; socially, emotionally and morally beneficial. This is accomplished by providing activities for every interest and all ranges of ability to satisfy recreational needs both now and for the future under competent guidance.

The curriculum in physical education for men and women is designed to prepare students for teaching physical education, health, safety, coaching athletics and intramural sports and directing recreational activities.

Field of Concentration

(a) A departmental major of at least seven term courses chosen from the department, including the following courses: 202, 303, 305, 309, 455.

(b) Courses totaling at least three terms in biology, consisting of Biology 101, 102, and 201 or 305. Sufficient hours in education and psychology to satisfy state requirements for teachers of physical education. Consult the Education Department.

(c) Related courses totaling at least five terms chosen from one or two subjects which the student is preparing to teach, after consultation with the adviser.

(d) Majors in physical education are required to enroll in 12 terms of service classes numbered 100.

(e) A minor in the field of physical education must complete five term courses including 305.

Intercollegiate Athletics

Intercollegiate competition is carried on in baseball, basketball, cross-country, football, golf, swimming, tennis, track and wrestling.

College Requirement

Freshmen and sophomores are required to complete six terms of satisfactory work in physical education (in courses numbered 100-190) unless excused. Individual exemptions from this requirement for a term at a time will be made by the director of the college health service for medical reasons. Passing a swimming test or receiving credit for a swimming course is a graduation requirement for all students.

A maximum of six term courses in Physical Education (100-190) will be counted towards graduation.

199. Principles and History of Physical Education. An introductory course in the fundamentals of physical education. Primarily for students intending to go into the field of physical education. Covers the problems of the field as well as the philosophy, aims and objectives of physical education. Includes historic development of physical education, including contributions of the various great cultures.
Second term *Mr. Pelisek*

202. Teaching of Rhythmic Activities. Designed to prepare men and women physical education majors to teach folk, square and social dance in the junior and senior high school.
Third term *Miss Jones*

210. Anatomy and Physiology. A study of the structure and function of the human body with specific consideration to normal muscular activity.
Second term (1963-64 and alternate years) *Mrs. Fleming*

220. Methods of Physical Education in the Elementary School. Methods of teaching physical education in elementary grades with specific emphasis on program content.
First or second term *Miss Jones*

300. Men's — Methods of Coaching and Management of Interscholastic Sports. Lectures and demonstrations in the fundamentals of football, basketball, track and wrestling. Management of athletics, team play in interscholastic sports and treatment of injuries is stressed. Intended to aid students who plan to coach in high schools.
First term *Staff*

301. Men's — Methods of Coaching and Management of Interscholastic Sports. A continuation of 300.
Second term *Staff*

302. Men's — Methods of Coaching and Management of Interscholastic Sports. A continuation of 301.
Third term *Staff*

303. Methods and Analysis of Teaching Physical Education Activities. Principles and techniques of teaching physical education activities with particular emphasis on the analysis of individual and team sports.
First term (1962-63 and alternate years) *Staff*

304. Methods and Analysis of Teaching Physical Education Activities. A continuation of 303.
Second term (1962-63 and alternate years) *Staff*

305. Organization and Administration of Physical Education in the Secondary Schools. The philosophy of physical education and organization of a high school physical education program. For teachers, supervisors and administrators of physical education and athletics in the public schools.
First term *Staff*

307. Care and Prevention of Athletic Injuries. For physical education majors who plan to enter the coaching profession. Cause, prevention and cure of injuries most common to competitive sports. Prerequisite: consent of instructor.
First term *Staff*

309. Correctives and Kinesiology. A study of the human body with respect to injuries most likely to occur in physical education classes and interscholastic athletics. Analysis of human motion, mechanically and anatomically, to include practical body mechanics, corrective exercising and postural training.
Second term (1962-63 and alternate years) *Mrs. Fleming*

315. Mental and Physical Health in Family Living. See Sociology 315.

400. Independent Study. Individual research problems under guidance of the instructor.
By special arrangement *Staff*

455. Methods and Curriculum of Health Education. For those responsi-

ble in any way for health instruction in the public school. Special consideration given to the selection of material and methods of instruction in establishing primary health habits. Emphasis will be given to drawing up a course of study which will be in line with the Illinois Health and Physical Education law.
Third term *Staff*

Physical Education Service Classes

These classes are designed to meet the college requirement in Physical Education. Instruction is given in fundamental skills, techniques and participation in individual sports and team games.

100. Freshman Football
101. Varsity Football
102. Freshman Basketball
103. Varsity Basketball
104. Freshman Track
105. Varsity Track
106. Basketball
107. Touch Football
108. Archery
109. Wrestling
110. Handball
111. Physical Fitness
112. Folk and Square Dance
113. Freshman Swimming
114. Varsity Swimming
115. Beginning Golf
116. Freshman Baseball
117. Varsity Baseball
118. Skating
119. Beginning Tennis
120. Advanced Tennis
121. Freshman Cross Country
122. Varsity Cross Country
123. Freshman Wrestling
124. Varsity Wrestling
125. Beginning Bowling
126. Advanced Bowling
127. Freshman Tennis
128. Varsity Tennis
129. Volleyball
130. Beginning Swimming
131. Softball
132. Intermediate Swimming
133. Freshman Golf
134. Varsity Golf
135. Advanced Swimming
136. Badminton
137. Trampoline
138. Social Dance
139. Modern Dance
140. Basic Movements
141. Tumbling
142. Soccer
143. Hockey
144. Advanced Physical Fitness
160. Advanced Golf
165. Life Saving
181. Basic Rifle
182. Advanced Rifle
190. Water Safety Instructors' Course

PHYSICS

Lyle W. Finley, *Professor, Head*
Paul Cramer, *Associate Professor*
James H. McAllister, *Associate Professor (leave of absence, 1962-63)*
Kenneth S. Robinson, *Associate Professor*

Field of Concentration

(a) A departmental major of at least seven term courses numbered 103 or higher and including Physics 308 and at least two other courses numbered above 300.

(b) Five related courses chosen from one or two departments and approved by the physics department.

101. General Physics. Fundamentals of mechanics, heat and sound. Four class meetings and one laboratory period per week. Corequisite:

Mathematics 151.
First term *Mr. Finley*

101e. General Physics. Fundamentals of mechanics, heat and sound. Four class meetings and one laboratory period per week. Prerequisite: three years of high school mathematics or concurrent registration in college mathematics.
First term *Mr. Robinson*

102. General Physics. Fundamentals of electricity and magnetism. A continuation of Physics 101. Corequisite: Mathematics 152.
Second term *Mr. Finley*

102e. General Physics. Fundamentals of electricity and magnetism. A continuation of Physics 101e.
Second term *Mr. Robinson*

103. General Physics. Fundamentals of optics and atomic physics. A continuation of Physics 101, 102. Prerequisite: Physics 102, Mathematics 152. (Students who have finished 102e may be admitted to Physics 103 with the consent of the instructor provided they have adequate mathematical background. These students will be required to perform extra work.)
Third term *Mr. Finley*

207. Analytic Mechanics. Statics, coplanar forces in space, centroids, center of gravity, friction, moment of inertia, introduction to dynamics. Prerequisites: Mathematics 152, Physics 103.
First term *Mr. Cramer*

208. Analytic Mechanics. Dynamics, rectilinear motion, curvilinear motion and rotation, work, energy and power, dynamics of rotating bodies, plane motion, impulse, momentum and impact. Prerequisites: Physics 207, Mathematics 251.
Second term *Mr. Robinson*

209. Electronics. Electron dynamics, emission, space charge, vacuum tubes and circuit analysis, amplifiers, voltage multiplication, feedback, noise, oscillators. Four class meetings and one laboratory period each week. Prerequisite: Physics 102 or 102e; Physics 103 recommended.
First term *Mr. Robinson*

301. Light. Geometric and physical optics. Reflection, refraction, optical instruments, interference, diffraction, dispersion, polarization, laws of radiation, atomic and molecular spectra. Prerequisites: Physics 103, Mathematics 251.
Third term *Mr. Finley*

303. Electricity and Magnetism. An intermediate course in principles of electricity and magnetism and electrical measurements. Four class meetings and one laboratory period per week. Prerequisites: Physics 103, Mathematics 254, 309.
Second term *Mr. Robinson*

304. Electricity and Magnetism. A continuation of the study of the principles of electricity and magnetism. Prerequisite: Physics 303.
Third term *Mr. Robinson*

305. Thermodynamics. An introductory course in the principles of thermodynamics. Prerequisites: Physics 103, Mathematics 251.
First term *Mr. Finley*

308. Atomic Physics. Properties of fundamental particles, atomic energy levels, excitation and emission phenomena, X-ray spectra, periodic arrangement of atoms, radioactivity, isotopes, nuclear structures, transmutations. Prerequisites: Physics 103, Mathematics 251.
Second term *Mr. Finley*

309. Vector Analysis. See Mathematics 309.

310. Electronics. An intermediate course in electronics. Prerequisites: Physics 209, Mathematics 254.
Third term (1963-64 and alternate years)

311. Theoretical Physics. Various topics including the special theory of relativity and an introduction to quantum mechanics. Prerequisites: Physics 208, Mathematics 254.
Third term *Mr. Robinson*

401. Seminar. Special topics in physics. Prerequisite: six courses in physics.
By special arrangement *Staff*

403. Advanced Applied Mathematics. See Mathematics 403.

404. Advanced Applied Mathematics. See Mathematics 404.

410. Independent Study. Special topics in advanced theoretical or experimental physics. Prerequisite: seven courses in physics.
First term *Staff*

PSYCHOLOGY

HAROLD J. RALSTON, *Professor, Head*
THOMAS J. ERWIN, *Assistant Professor*

Field of Concentration

(a) A departmental unit of at least seven term courses in psychology including 212, 221, 222 and either 311 or 401, together with necessary preliminary courses in biology and mathematics. Work in physics including sound and light is strongly recommended.

(b) Five courses chosen from one or two related fields with the approval of the adviser. Suggested fields include biology, sociology, philosophy and mathematics.

212. Elementary Statistics. (See Mathematics 212).

221. General Psychology. Introductory study of the fundamental types of experience and behavior. Open to upperclassmen and third-term freshmen. Prerequisite to all other courses in psychology.
First or third term *Staff*

222. Experimental Method. Introduction to methodology in psychology. Statistics, experimental design and theory construction are presented, discussed and implemented in the laboratory.
Second term *Mr. Erwin*

223. Abnormal Psychology. Personality disorders and maladjustments, with discussion of the clinical approach to psychotherapy.
Second term (1962-63 and alternate years) *Mr. Ralston*

225. Developmental Psychology. Principles of development through childhood and adolescence stressing maturation, concept formation, learning, the concept of readiness and developmental schedules.
First term *Mr. Erwin*

301. Perception. The psychology of sensation and perception. Comparative and physiological data in sensation. Laboratory.
Third term (1962-63 and alternate years) *Staff*

302. Motivation. A survey of how motivation acts to produce behavior. Includes discussion of primary and secondary drive, hierarchy, and emotional theories of motivation. Laboratory.
Second term (1962-63 and alternate years) *Mr. Erwin*

303. Abilities. A study of human abilities and their measurement and the nature and factors involved in individual differences. Laboratory.
Third term (1963-64 and alternate years) *Staff*

304. Social Psychology. The relation of personality to society and culture. Attention is given to the psychological aspects of human conflict and mass behavior.
Second term (1963-64 and alternate years) *Mr. Ralston*

305. Learning. The process and principles of learning. Includes experimental findings, theories and applications in the educational field. Laboratory.
Second term (1962-63 and alternate years) *Mr. Erwin*

306. Cognition. A study of the more complex phenomena in behavior, such as concept formation, symbolic processes, thought and language, decision making and creative processes. Laboratory.
Third term (1962-63 and alternate years) *Mr. Erwin*

309. Problems in Personality. A study of the history and systems of psychology as they relate to the nature of human personality.
By special arrangement *Staff*

311. Seminar. Assigned readings, oral and written reports and group discussion on pertinent problems in psychology. Open to majors or those who have had five courses in the field.
By special arrangement *Staff*

401. Independent Study. Directed individual study on selected topics in psychology. Weekly written reports and conferences. Required of students majoring in psychology.
By special arrangement *Staff*

402. Independent Study. A continuation of 401.
By special arrangement *Staff*

403. Advanced Experimental Psychology. A detailed survey of the data, theories and methods of psychology. Basic areas of the curriculum are integrated to attempt to present a unified view of psychology. The laboratory is devoted to original research or repetition of previous experimentation of questionable validity.
By special arrangement *Staff*

404. Advanced Experimental Psychology. A continuation of 403.
By special arrangement *Staff*

SOCIOLOGY

MADGE STEWART SANMANN, *Professor, Head*
IRENE KISTLER, *Instructor*

Field of Concentration

(a) One sociology course at the sophomore level, Sociology 301, and 401 or 402.

(b) Courses selected from those numbered 300 or above.

Anthropology 201. Introduction to Anthropology. Brief review of prehistoric race, language and culture, economic and social institutions, religion, art, attitudes and values of native peoples.
First term

Sociology 203. Societies Around the World. A comprehensive, systematic study of the chief types of societies, ranging from the primitive to the advanced industrial, in the major habitats of the world. One society is compared with another as a whole and specifically in terms of the origin of the people, their physical environment, economic system, government, religion, family life, social organization, structure, ideology and socio-cultural change.
Second term

206. The Family. A study of the family as a social institution: its forms, functions, development, organization, factors of disorganization and trends.
First term

301. Introduction to Sociology. Introductory analysis and description of the structure and dynamics of human society. Application of scientific methods to the observation and analysis of composition, social norms, group behavior, social stratification, social institutions and social change.
First term

302. Social Problems. Introductory survey of sociological aspects of important modern social problems. Emphasis on social interrelationship and cultural differences involved in their genesis, significance and amelioration or prevention. Library reading and special reports. Prerequisite: Sociology 301 or consent of instructor.
Second term

304. Home and Family Life. Analysis of psychological and sociological aspects of home and family life. Consideration of necessary early adjustments to significant interpersonal changes basic in the achievement of companionship and emotional interdependence. The development of economic insight, planning and management basic in the economic contribution to family cohesion. Emphasis on individual fulfillment and family unity. Prerequisite: Sociology 206 or consent of instructor.
Second term

305. Population in Transition in the United States: Demography. A study of the composition, distribution, movements and cultural patterns of population and ethnic groups in the United States and its various regions. Attention given to scientific analysis of problems and trends.
First term

306. Social Stratification. System of social ranking with emphasis on class structure of the United States; power, prestige and privilege as related to class differences; the culture and styles of life in different classes,

status as determinant of personality, interaction and development; effect of social change and mobility. Prerequisite: Sociology 301.
Second term

308. Sociology of the Community. Nature, structure and functions of various types of communities; their characteristics, group relations and social institutions (home, school, church, government, health, wealth, leisure); modern trends molding rural and urban life. Attention is given to methods of modern redevelopment. Prerequisite: Sociology 301, 302, and/or 305.
Third term (1962-63 and alternate years)

310. Crime and Delinquency. The nature, extent and explanations of crime and delinquency; historical development of criminological thoughts, modern approaches and methods; a review of the theories of treatment and evaluation of programs for prevention and rehabilitation. Prerequisite: Sociology 301.
Third term

312. Racial Tensions and Cultural Conflicts. A survey of racial and cultural conflicts in contemporary civilization; theories of race and culture; relations between racial and cultural groups in specific situations in strategic areas of the world; the status of racial, religious and ethnic minorities in the United States; organizations, programs and social movements designed to improve intergroup relationships. Prerequisite: Sociology 201 and 302.
Second term

314. Introduction to Social Work. A survey of the field of social work. Historical development of social work concepts and philosophy; the present system and organization of social welfare and administration; the role of social work in contemporary society. Prerequisite: Sociology 206, 301, 302.
Third term

315. Mental and Physical Health in Family Living. The mental hygiene approach to tensions, conflicts and crises in the development of family living. Fundamental principles of human nutrition. Selection of diet to meet nutritional needs of children (infancy through adolescence), adults and elderly members of the family. Prerequisite: Sociology 206 or consent of instructor.
Third term

316. Social Change. The implications of science and technology for social change; effects of innovation upon social relationships; theories of social change, social effects of major inventions; a cross-cultural analysis of the processes of "industrialism." Prerequisite: Sociology 301 and 305.
Third term

401. Seminar. Reading and research designed to give a background in historical development, information concerning leaders, techniques and procedures, principles, projects and practices in original field research. Oral and written work required. Open to sociology majors or with the consent of the instructor.
By special arrangement

402. Independent Study. Introduction into an individual problem in a subject of interest to the student. Practice in library research, the use of specific research techniques and procedures and field research. Oral and written work is required. Open to sociology majors or with the consent of the instructor.
Second term

404. Studies in American Civilization. (See also English 404 and History 404). An integral historical, social and cultural interpretation of life, thought and institutions in the United States from 1870 to the present. Conducted on the seminar plan. Prerequisite: open to sociology majors; seniors, or with consent of the instructor and Sociology 401 or 402. English or history majors consult their advisers.
Third term

405. Contemporary Society: Russia. Description and analysis of social, economic and political life against a background of geography, population and development; values and ideology; family and education; communication and public opinion; background place in modern world. Open only to seniors.
(1962-63 and alternate years)

406. Contemporary Society: Cultures of the Far East. The peoples, cultures, economy, religious life, government organization, family life, social organization, ideology and socio-cultural change and development. Open only to seniors.
(1962-63 and alternate years)

407. Contemporary Society: South America. A survey of the cultures of South America emphasizing the types and variety of societies, their characteristic features and changes that have taken place. Attention is given to contemporary social, economic and political problems. Open only to seniors.
(1963-64 and alternate years)

408. Contemporary Society: Africa. A survey of the cultures of Africa and patterns of behavior associated with them. Selected aspects of social and cultural change; consequences of commercialization of land and labor; consequences of Western education; emergent forms of stratification and race relations. Open only to seniors.
(1963-64 and alternate years)

409. Contemporary Society: The Near East. Survey of one or more major areas in terms of regional developments and historical and modern social problems. Open only to seniors.
(1963-64 and alternate years)

SPEECH

JEAN LIEDMAN, *Professor, Head*
PARKER ZELLERS, *Assistant Professor (leave of absence, 1962-63)*
PAUL GRAY, *Instructor*
BROOKS MCNAMARA, *Instructor*

Field of Concentration

(a) A departmental unit of at least seven courses in addition to Speech 101, including 210, 221, 303, 316, 351 and 403.

(b) At least five related courses.

(c) Performance in dramatic production and/or intercollegiate forensics.

101. Fundamentals of Oral Communication. Designed to help the student acquire knowledge and skill in selecting and evaluating speech materials, organizing and phrasing ideas, developing effective control of voice and action and evaluating public speeches.
Each term *Staff*

102. Advanced Public Speaking. A continuation of Speech 101. Principles of persuasion, speaking for special occasions and parliamentary law.
Third term *Mr. Gray*

204. Radio Speech. The history and development of radio and television and their influence on society. Prerequisite: Speech 102 and sophomore standing or consent of the instructor.
(1963-64 and alternate years) *Mr. Gray*

215. Debate Seminar. Open only to those who have won a place on the intercollegiate debate squad. Fractional credit.
By special arrangement *Mr. Gray*

221. Interpretative Reading. Theory and skill of reading prose and poetry aloud.
First term *Mr. Gray*

303. Discussion and Debate. The theory of argumentation and the application of it to various forms of discussion and debate. A study of evidence, reasoning, fallacies and briefing. Directed discussions, symposiums, panel discussions and team debating. Prerequisite: Speech 102, or consent of the instructor.
First term (1962-63 and alternate years) *Mr. Gray*

315. Oration Seminar. Open only to those who have won a place on the intercollegiate debate squad.
By special arrangement *Mr. Gray*

322. Advanced Interpretative Reading. Reading of advanced prose and poetry, dramatic poetry, classical literature and modern drama. Prerequisite: Speech 221.
Second term (1962-63 and alternate years) *Mr. Gray*

351. Scientific Bases of Speech. An introduction to voice science and phonetics.
(1963-64 and alternate years) *Miss Liedman*

352. Introduction to Speech Correction. A study of the process of normal speech development and the causes and treatment of various speech disorders.
(1963-64 and alternate years) *Miss Liedman*

401. Independent Study. An individual program of reading and research under the guidance of the instructor.
By special arrangement *Staff*

403. Senior Seminar. Reading and discussion designed to co-ordinate the fields of public address, theatre arts and speech science.
By special arrangement *Staff*

410. Independent Study. A continuation of 401.
By special arrangement *Staff*

Theatre Arts

135. Freshman Workshop. A laboratory course in theatre practice, preparatory to membership in Crimson Masque (dramatic organization). Students learn the rudiments of theatre practice under the supervision of Crimson Masque personnel and the faculty director. Production will consist of two or three one-act plays, directed by the students. No fee is charged for this course and no credit is given, but if a student does satis-

factory work he may become a member of Crimson Masque and register for a course in dramatics.
First term *Mr. McNamara*

136. Freshman Workshop. A continuation of 135.
Second term *Mr. McNamara*

137. Freshman Workshop. A continuation of 136.
Third term *Mr. McNamara*

210. Introduction to Theatre Arts. A reading course designed to introduce the beginning student to basic theatre theory and practice through investigation of selected writings in dramatic theory and criticism, acting, directing and the technical fields of stagecraft and scenic design.
Second term *Mr. McNamara*

215. Stagecraft and Scenic Design. A textbook study of the technical and design elements of the dramatic production, combined with practical exercises in drafting, scenic design, stage lighting, costuming and makeup. A final project allows all students in the course to create a detailed and complete set of plans and designs for a stage production. The work of particularly gifted students may be incorporated into productions of the Monmouth College Theatre.
(1963-64 and alternate years) *Mr. McNamara*

235. Dramatics. Open to students who have satisfactorily passed the probationary requirements of Freshman Workshop and others who may be admitted by special permission of faculty director and Crimson Masque officers. Participation in the production of plays for public performance: acting, work on stage, property, lighting, publicity, makeup, costume and house committees. Fractional credit.
First term *Mr. McNamara*

236. Dramatics. A continuation of 235.
Second term *Mr. McNamara*

237. Dramatics. A continuation of 236.
Third term *Mr. McNamara*

311. Development of the Theatre. A survey of the growth and development of the theatre from prehistoric times to the present. Emphasis on the development of the physical theatre and history of acting and directing. Collateral reading and reporting on representative plays insures the integration of all material with courses in dramatic literature offered by the department of English.
(1963-64 and alternate years) *Mr. McNamara*

316. Principles of Directing. A course designed to introduce the beginning student of directing to the practical and theoretical aspects of his art. Readings from the great directors and writers on stage direction are combined with exercises in play analysis, movement, blocking and other tools of the stage director in order to prepare the student for more advanced work in the field of directing.
First term (1962-63 and alternate years) *Mr. McNamara*

335. Dramatics. Continuation of Dramatics 237. Fractional credit.
First term *Mr. McNamara*

336. Dramatics. A continuation of 335.
Second term *Mr. McNamara*

337. Dramatics. A continuation of 336.
Third term *Mr. McNamara*

435. Dramatics. Continuation of Dramatics 337. Fractional credit.
First term *Mr. McNamara*

436. Dramatics. A continuation of 435.
Second term *Mr. McNamara*

437. Dramatics. A continuation of 436.
Third term *Mr. McNamara*

445. Directing. Production of a play as a laboratory performance or for the public. Prerequisite: 316. Fractional credit.
By special arrangement *Mr. McNamara*

Divisions of the Faculty

For purposes of administration the departments of the faculty are grouped into three divisions, as follows:

I. Humanities
- Art
- Bible and Religion
- Classical Languages
- English
- History
- Modern Foreign Languages
  - French
  - German
  - Russian
  - Spanish
- Music
- Philosophy
- Speech

II. Social Sciences
- Economics and Business Administration
- Education
- Government
- Physical Education
- Psychology
- Sociology

III. Natural Sciences and Mathematics
- Biology
- Chemistry
- Geology
- Mathematics
- Physics

THE FACULTY

Gibson, Robert W. 1952*

President. A.B., Muskingum College, 1918; B.D., Pittsburgh Theological Seminary, 1921; D.D., Westminster College, 1934; LL.D., Sterling College, 1951; Litt.D., Maryville College, 1957; Ped.D., Bradley University, 1959; Ohio State University, summer, 1918.

Professors Emeriti

James Harper Grier, President Emeritus, Claremont, California.

Emma Gibson, Professor of Latin, Emerita, Glendale, California.

William S. Haldeman, Professor of Chemistry, Emeritus, San Diego, California.

Thomas Hoffman Hamilton, Professor of Appreciation of Art, Emeritus, Monmouth, Illinois.

Mary Inez Hogue, Registrar Emerita, Claremont, California.

Francis Mitchell McClenahan, Professor of Geology, Emeritus, Tucson, Arizona.

*Joined Monmouth College Faculty

Mary E. McCoy, Librarian Emerita, Monmouth, Illinois.

Frank W. Phillips, Professor of Education, Emeritus, La Mesa, California.

Edna Browning Riggs, Associate Professor of Music, Emerita, Monmouth, Illinois.

Officers of Instruction

Aduddell, Robert 1961
Instructor in Economics and Business Administration. B.A., Drake University, 1955; Northwestern University, 1958-1961.

Allison, David C. 1962
Assistant Professor of Biology. B.S., University of Illinois, 1956; M.S., ibid., 1957; Ph.D., Pennsylvania State University, 1960.

Andrew, Henry W. 1962
Assistant Professor of Physical Education. B.A., State College of Iowa, 1953; M.A., State University of Iowa, 1960.

Arrison, John D. 1962
Assistant Professor of Mathematics. B.S., Michigan State University, 1956; M.S., ibid., 1958.

Ball, Elwood H. 1953
Assistant Professor of Music and Dean of Men. B.Mus., University of Michigan, 1947; M.Mus., ibid., 1952; summer sessions, ibid., 1947-49; University of Michigan, 1950-1953; ibid., Teaching Fellow, 1951-1953.

Blaas, Erika 1956
Associate Professor of German. Ph.D., University of Innsbruck, Austria, 1949; Fulbright Fellow, University of Wisconsin, 1950-1951; Karls Universitat, Prague, 1943-1944; Universitat Graz, Austria, 1945-1947.

Blum, Harlow B. 1959
Assistant Professor of Art. B.F.A., University of Illinois, 1956; M.A., Michigan State University, 1959; Syracuse University, summer, 1962.

Boswell, Grace H. 1962
Assistant Professor of English. A.B., LaGrange College, 1949; M.A., University of Georgia, 1952; Alumni Foundation Fellow, ibid., 1954-55.

Boswell, Rupert D., Jr. 1962
Professor of Mathematics. B.A., Mississippi State University, 1950; M.S., ibid., 1951; Ph.D., University of Georgia, 1957.

Bowman, Milton L. 1959
Assistant Professor of Biology. B.S., University of Louisville, 1951; M.A., University of Missouri, 1954; Ph.D., University of Missouri, 1959.

Bradford, Anne M. 1946
Librarian and Associate Professor. A.B., Monmouth College, 1935; B.S. in L.S., University of Illinois, 1948; University of Iowa, summer, 1930.

Buchholz, Robert H. 1950
Associate Professor of Biology. B.S., Fort Hays State College, 1949; M.S., Kansas State College, 1950; Ph.D., University of Missouri, 1957; Associated Colleges of the Midwest program at Argonne National Laboratory, 1962-63.

Robert C. Cirese 1962
Instructor in Economics and Business Administration. B.A., De Paul University, 1960; M.A., University of Illinois, 1962.

Cleland, Eva H. 1923; 1951
Professor of English. A.B., Washington State College, 1919; A.M., ibid., 1925; University of California, summer, 1928; University of Michigan, summer, 1932; University of Chicago, summer, 1933; Cambridge University,

summer, 1936; Columbia University, summer, 1953, 1958; University of California, summer, 1959.

Cramer, Fern W. 1946, 1957

Instructor in Mathematics. B.S.E., University of Arkansas, 1931; University of Illinois, summers, 1927-29. (Part-time)

Cramer, Paul 1946

Associate Professor of Mathematics and Engineering. A.B., Illinois College, 1925; M.A., University of Illinois, 1926; University of Chicago, summers, 1932-33.

Crow, Mary B. 1946

Assistant Professor of History. A.B., Monmouth College, 1941; Ph.M., University of Wisconsin, 1945; ibid., summer, 1942.

Davenport, Francis Garvin 1947

Professor of History and Director, Summer Session. A.B., Syracuse University, 1927; A.M., ibid., 1928; Ph.D., Vanderbilt University, 1936; Fellow, University of Illinois, 1928-1930; Fellow, Vanderbilt University, 1936; Social Science Research Council Fellow, 1941-1942.

Davenport, Katye L. 1949

Instructor in Education. A.B., Mississippi State College for Women, 1930; A.M., Peabody College, 1937; Mississippi Program for the Improvement of Instruction, 1933-1938. (Part-time)

Donald, Dorothy 1932

Professor of Spanish. A.B., Indiana University, 1921; A.M., ibid., 1929; Ph.D., University of Wisconsin, 1941; Middlebury College, summer, 1923; Centro de Estudios Historicos, Madrid, 1929-1930; Universidad Nacional de Mexico, summer, 1935; Universite Laval, Quebec, summers, 1952, 1958; Universidad Internacional Santander, summer, 1959.

Erwin, Thomas J. 1961

Assistant Professor of Psychology. A.B., Missouri Valley College, 1950; M.A., University of Missouri, 1956; University of Kansas City, 1953, 1956; University of Missouri, 1959-1960.

Finley, Lyle W. 1931

Professor of Physics. A.B., Monmouth College, 1924; A.M., University of Illinois, 1925; University of Chicago, summer, 1927; University of Colorado, summer, 1929; University of Illinois, summer, 1935; Cornell University, 1939-1940; ibid., summers, 1936-37; University of Minnesota, summer, 1953; Georgetown University, summer, 1959.

Fleming, Mary H. 1962

Instructor in Physical Education. B.S., MacMurray College, 1946. (Part-time)

Fox, Bernice L. 1947

Associate Professor of Classics. A.B., Kentucky Wesleyan College, 1932; Graduate Assistantship, University of Kentucky, 1933-1936; M.A., ibid., 1934; Research Fellowship, Ohio State University, 1936-1941.

Gamer, Carl W. 1946

Professor of Political Science. Ph.B., University of Chicago, 1922; S.T.B., Boston University, 1925; M.A., University of Illinois, 1937; Ph.D., ibid., 1940; Pioneer University World Cruise, 1926-27; Institute of International Studies, Geneva, summer, 1927; Stutz *Kirchenrechtliches Institut,* University of Berlin, 1938-39.

Gray, Carolyn L. 1962

Instructor in English. B.A., Marietta College, 1959; M.A., University of Illinois, 1960.

Gray, Paul H. 1961
Instructor in Speech. A.B., Marietta College, 1959; A.M., University of Illinois, 1960.

Hamilton, Martha M. 1937
Assistant Professor of Art. B.A., University of North Carolina, 1923; M.Ed., Harvard University, 1932; Harvard Graduate School for Education, 1923-1925; University of Chicago, summers, 1934, 1935, 1936, 1937; Cornell University, summer, 1959.

Herbsleb, James R. 1956
Professor of Economics and Business Administration. B.A., College of the Pacific, 1947; M.A., Temple University, 1949; LL.B., School of Law, Temple University, 1949; Bryn Mawr College, 1956; Case Institute of Technology, summer, 1957; Indiana University, summer, 1959; University of Chicago, summer, 1960.

Johnson, J. Prescott 1962
Associate Professor of Philosophy. A.B., Kansas City College, 1943; A.B.. Kansas State College, 1946; M.S., ibid., 1948; Ph.D., Northwestern University, 1959.

Jones, Margaret 1962
Instructor in Physical Education. B.A., Monmouth College, 1954.

Kaminska, Alexandra 1960
Instructor in French. M.A., University of Lwow, Poland, 1938; University of Cracow, Poland, 1939; Diplome de traductrice, University of Geneva, Switzerland, 1959; University of Chicago, summers, 1960, 1961.

Kennedy, Adele 1946
Associate Professor of English. B.A., University of Iowa, 1927; M.A., ibid., 1928; University of Iowa, summer, 1930; Columbia University, summer, 1937; University of Iowa, summer, 1947; University of Colorado, summer, 1960; University of Iowa, summer, 1961.

Ketterer, John J. 1953
Associate Professor of Biology. B.S., Dickinson College, 1943; Ph.D., New York University, 1953.

Kistler, Irene 1953
Instructor in Sociology. B.S., University of Illinois, 1928; University of Illinois, 1945; State University of Iowa and Iowa State University, summer, 1960. (Part-time)

Lai, Che-Oi 1962
Librarian and Instructor in Library Science. B.S., Chu Hai College, Hong Kong, 1957; M.A., Peabody College, 1962.

Leever, Richard S. 1961
Associate Professor of English. B.A., Illinois College, 1947; M.A., University of Texas, 1949; Ed.M., University of Illinois, 1954; Ph.D., ibid., 1961.

Lerond, Antoinette 1962
Instructor in French. Baccalaureat, Universite de Nancy, 1946; Certificat d' Aptitude Pedagogique, Universite de Nancy, 1962.

Liedman, Jean 1936
Professor of Speech and Dean of Women. A.B., Monmouth College, 1927; A.M., University of Wisconsin, 1935; Ph.D., ibid., 1949; University of Pittsburgh, summers, 1929-30; University of Colorado, summer, 1936; University of Southern California, summer, 1947; Syracuse University, summer, 1956; University of Denver, summer, 1960.

Link, Florence I. 1961
Reference-Documents Librarian and Instructor in Library Science. B.A., Jamestown College, 1927; B.L.S., University of Minnesota, 1949.

Loya, Heimo 1936
Professor of Music. B.Mus., Chicago Musical College, 1936; A.B., Monmouth College, 1938; M.A., University of Iowa, 1941; violin with Max Fischel; composition and orchestration with Louis Gruenberg; composition with Wesley La Violette; counterpoint with Gustav Dunkelberg; conducting with Rudolph Ganz and Christian Lyngby; Chicago Musical College, summer, 1949; University of Iowa, summers, 1938, 1939, 1940, 1955, 1956; second semester, 1956-57; University of Colorado, summer, 1959.

Lyddon, Paul W. 1960
Instructor in Music. B.Mus., Eastman School of Music, University of Rochester, 1954; M.Mus., University of Illinois, 1955; Graduate School Fellowship, University of Illinois, 1954-55; The Catholic University of America, summer, 1959; Eastman School of Music, University of Rochester, summer, 1961.

Manley, Harry S. 1961
Academic Dean and Professor of Government. A.B., Westminster College, 1942; LL.B., University of Pittsburgh, 1945; Ph.D., Duke University, 1955.

McAllister, James H. 1957
Associate Professor of Physics and Mathematics. A.B., Peru State Teachers College, 1938; M.A., University of Nebraska, 1950; University of Iowa, summer, 1955; University of Kansas, summers, 1957, 1959, 1960; Michigan College of Mining and Technology, summer, 1961; Associated Colleges of the Midwest program at Argonne National Laboratory, 1962-63.

McNamara, Brooks 1961
Instructor in Speech. A.B., Knox College, 1959; M.A., State University of Iowa, 1961.

Meyer, Robert B. 1962
Assistant Professor of Chemistry. A.B., Oberlin College, 1957; American Cyanamid Scholar, Oberlin College, 1956-1957; Ph.D., James B. Duke and American Cyanamid Fellow, Duke University, 1960.

Morrill, Allen C. 1953
Professor of English. A.B., Brown University, 1926; M.A., ibid., 1928; M.A., Harvard University, 1932; Ph.D., ibid., 1937.

Nicholas, Albert 1948
Professor of Education. A.B., Carthage College, 1922; A.M., University of Illinois, 1933; ibid., summers, 1931-33; University of Colorado, summer, 1941.

Palmquist, John C. 1962
Assistant Professor of Geology. A.B., Augustana College, 1956; M.S., State University of Iowa, 1958; Ph.D., ibid., 1961.

Pelisek, Joseph J. 1957
Assistant Professor of Physical Education. A.B., Cornell College, 1948; M.A., New Mexico Highlands University, 1951; Iowa State University, 1956; ibid., summers, 1955, 1957, 1959, 1962.

Peterson, Douglas R. 1962
Instructor in Music. B.A., Grinnell College, 1950; B.M.E., Florida State University, 1951; M.A., University of Iowa, 1954; Workshop in Choral Art, San Diego State College, summers, 1955-58; Royal Conservatory of Music, Toronto, summer, 1959; University of Iowa, 1960-62.

Peterson, Grace Gawthrop 1922
Instructor in Music. Graduate, Monmouth College Department of Music, 1922 (Part-time).

Pleasants, Edwin H. 1961
Associate Professor of Spanish. B.A., University of Virginia, 1942; M.A., Louisiana State University, 1950; Ph.D., University of Missouri, 1959; University of Puerto Rico, summer, 1946; University of San Carlos, Guatemala City, summer, 1949.

Ralston, Harold J. 1946
Professor of Classics. A.B., Tarkio College, 1922; A.M., ibid., 1923; Th.B., Pittsburgh Theological Seminary, 1927; M.A., Princeton University, 1928; Ph.D., University of Iowa, 1930; University of Pittsburgh, 1926-1927; University of Chicago, summer, 1938; Northwestern University, summer, 1957; University of Michigan, summers, 1959, 1961, 1962.

Rawlings, Floyd 1957
Associate Professor of Chemistry. B.A., University of Redlands, 1941; M.S., Oregon State College, 1948; Ph.D., University of Washington, 1951; University of North Carolina, summer, 1957; Oak Ridge Institute of Nuclear Studies, summer, 1962.

Robinson, Kenneth S. 1962
Associate Professor of Physics. B.A., Oakland City College, 1933; M.S., Indiana University, 1948.

Rosic, Momcilo 1959
Assistant Professor of Modern Languages. A.B., Military Academy, Belgrade, Yugoslavia, 1937; A.M., ibid., 1937; Ph.D., University of Bonn, 1950. (Part-time)

Sanmann, Madge S. 1949
Professor of Sociology. A.B., Monmouth College, 1921; B.S., University of Illinois, 1923; A.M., Northwestern University, 1940; Ph.D., ibid., 1948; ibid., summers, 1941, 1942, 1943.

Serrano, Arturo 1961
Assistant Professor of Spanish. B.A., Instituto Cardenal Cisneros, Madrid, 1930; Facultad de Filosofia y Letras, Universidad Central, Madrid, 1932-1936; Diploma of Official Translator in Spanish and English, Ministry of National Education, Colombia; Universidad Nacional de Colombia, 1959-1961; Universidad Nacional Pedogogica Feminina, Colombia, 1959-1961.

Shawver, Benjamin T. 1946
Professor of Chemistry and Education. B.S., Parsons College, 1932; M.A., Columbia University, 1950; Ed.D., ibid., 1952.

Shoemaker, Homer L. 1961
Instructor in Accounting. B.S., University of Denver, 1950. Certified Public Accountant, 1961. (Part-time)

Smith, P. O. 1962
Assistant Professor of Physical Education. B.S., Springfield College, 1950; M.A., Columbia University Teachers College, 1951; Pennsylvania State University, summers, 1953, 1954, 1955.

Speel, Charles J., II 1951
Professor of Bible and Religion, John Young Chair of Bible. A.B., Brown University, 1939; S.T.B., Harvard University, 1949; S.T.M., ibid., 1950; Ph.D., ibid., 1956.

Spitz, Douglas R. 1957
Assistant Professor of History. A.B., Swarthmore College, 1949; M.A., University of Nebraska, 1955; ibid., 1955-57, 1960-61.

Struth, Johann F. 1962
Assistant Professor of German. Abitur degree, Realgymnasium, Mainz, Germany, 1947; A.B., Jacksonville State Teachers College, 1956; Gutenberg University, Mainz, 1948-52; University of Texas, 1959.

Thiessen, Garrett W. 1930
Pressly Professor of Chemistry. A.B., Cornell College, 1924; M.S., University of Iowa, 1925; Ph.D., ibid., 1927; Associated Colleges of the Midwest program at Argonne National Laboratory, 1960-61.

Thompson, Samuel M. 1926
Alumni Professor of Philosophy. A.B., Monmouth College, 1924; A.M., Princeton University, 1925; Ph.D., ibid., 1931.

Weeks, J. Stafford 1959
Assistant Professor of Bible and Religion and College Chaplain. A.B., Juniata College, 1942; B.D., United Theological Seminary, 1945; Ph.D., University of Chicago, 1962; Gettysburg Theological Seminary, 1945-1947; University of Chicago, 1948-1953.

Wills, Donald L. 1951
Associate Professor of Geology. B.S., University of Illinois, 1949; M.S., ibid., 1951; University of Indiana, summer, 1959; Sabbatical leave, 1962-63; leave of absence, 1963-64.

Wingo, Charles E. 1958
Professor of Education. A.B., Furman University, 1924; M.A., Cornell University, 1937; University of Chicago, summers, 1939-40; Purdue University, summer, 1946; University of Colorado, summer, 1953.

Woll, Robert G. 1935
Associate Professor of Physical Education. B.S., Monmouth College, 1935; M.S., University of Illinois, 1941; University of Illinois, summers, 1937, 1938, 1940; Western Illinois University, summer, 1961.

Zellers, Parker R. 1956
Assistant Professor of Speech. B.A., Emerson College, 1950; M.A., Indiana University, 1956. Leave of absence, 1961-63.

Beste, Margaret C. 1949
Registrar. A.B., Wheaton College, 1940.

Officers of Administration

Robert W. Gibson, A.B., B.D., D.D., LL.D., Litt.D., Ped.D. .....President
Harry S. Manley, A.B., LL.B., Ph.D. .....Academic Dean
Jean Esther Liedman, A.B., A.M., Ph.D. .....Dean of Women
Elwood H. Ball, B.Mus., M.Mus. .....Dean of Men
Mrs. H. A. Loya .....Secretary to the President
W. E. Smith, A.B., M.S. .....Business Manager
Donald Kettering, A.B. .....Assistant to the Business Manager
David D. Fleming, A.B. .....Director of Development and Public Relations
L. Victor Atchison, A.B. .....Director of Alumni Relations
L. Del Bowker, A.B., LL.B. .....Director of Student Aid and Placement
John S. Niblock, A.B. .....Director of Publicity and Publications
Glen D. Rankin, A.B. .....Director of Admissions
John R. Corporon, A.B. .....Admissions Counselor
Donald Ingerson, A.B., M.A. .....Admissions Counselor
Robert H. Riggle, A.B. .....Admissions Counselor
Ned Whitesell, A.B., M.A. .....Admissions Counselor
Miss Margaret Beste, A.B. .....Registrar
Miss Dorothy E. Whaling .....Assistant to the Registrar
Mrs. John Bradford, A.B., B.S. in L.S. .....Librarian
Miss Che-Oi (Grace) Lai, B.A., M.A. .....Library Assistant
Miss Florence I. Link, A.B., B.L.S. .....Reference-Documents Librarian
James Ebersole, M.D. .....Medical Director
James Marshall, M.D. .....Medical Director
Mrs. John Holland, R.N. .....College Nurse
Miss Gertrude Lewis, R.N. .....College Nurse
Paul Bunn, A.B., M.A. .....Superintendent of Buildings and Grounds
Mrs. Maude Cook .....Director of Internal Maintenance

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Channing Pratt

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Chalmer Spiker, Treasurer of the College; President, National Bank of Monmouth, Monmouth, Illinois

Mrs. Frederick H. Lauder, Secretary of the Board, Monmouth, Illinois

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Paul Barnes, Attorney; Foley, Sammond and Lardner, Milwaukee, Wis.

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Merton Bowden, President, Monmouth Trust and Savings Bank, Monmouth, Illinois

Richard Braun, Pastor, Jennings United Presbyterian Church, Jennings, Mo.

Robert Clendenin, Attorney; Clendenin and Burkhard, Monmouth, Illinois

Ralph Douglass, Professor Emeritus of Art, University of New Mexico, Albuquerque, New Mexico

Dwight Eckerman, Executive Director, Economic Club of New York, New York, New York

Frederick Foster, Chief Chemist, Polymer Chemicals Division, W. R. Grace and Company, Verona, New Jersey

Robert Hendren, Executive Vice President, Chicago Bridge and Iron Company, Oak Brook, Illinois

Patricia Hofstetter, Attorney; Hofstetter and Hofstetter, Whittier, Calif.

Richard Holmes, Purchasing Agent, Pressed Steel Tank Company, Wauwatosa, Wis.

Gordon Jackson, Dean, Pittsburgh Theological Seminary, Pittsburgh, Pa.

Russell M. Jensen, M.D., Physician and Surgeon, Monmouth, Illinois

Robert Kempes, Youth Secretary, Board of Christian Education, U.P. Church, Philadelphia, Pa.

John J. Kritzer, Attorney, Monmouth, Illinois

James Lexvold, Industrialist, St. Charles, Ill.

Ralph Liddle, Geologist, Fort Worth, Texas

Dan Gold Long, Pastor, Broadway Presbyterian Church, Rock Island, Illinois

James Marshall, M.D., Physician, Monmouth, Illinois

Robert Meneilly, Pastor, Village United Presbyterian Church, Prairie Village, Kansas

James Munn, Cashier, People's State Bank, Westhope, North Dakota

Cyrus Osborn, Executive Vice President, General Motors Corporation, Detroit, Michigan

Kermit Petersen, Pastor, First United Presbyterian Church, Galesburg, Illinois

Glen Pickens, Vice President, The Phoenix Insurance Co., West Hartford, Conn.

Ivory Quinby, Partner, Quinby-McCoy Insurance Agency, Monmouth, Illinois

John Service, Sales Manager, Spreader Works, Deere and Company, Moline, Illinois

Kenneth G. Sturtevant, Chairman, Board of Directors, Borden Company, Rock Island, Illinois

Donald G. Whiteman, Second Vice President, Northern Trust Company, LaGrange, Illinois

H. Donald Winbigler, Dean of Students, Stanford University, Palo Alto, Calif.

W. McClean Work, First Vice President, Ketchum, Incorporated, Pittsburgh, Pa.

Monmouth College Board of Directors Committees for 1962-63

Academic Affairs:

John Bailar, Chairman
Donald Beste
Patricia Hofstetter
Gordon Jackson
Kermit Petersen

Business Affairs:

John Service, Chairman
Russell Jensen
John Kritzer
Ivory Quinby

Finance:

Donald Whiteman, Chairman
Ralph C. Allen
Merton Bowden
Robert Clendenin
Robert Hendren
James Munn
Cyrus Osborn
Chalmer Spiker

Nominations and Degrees:

Dwight Eckerman, Chairman
Frederick Foster
Dan Gold Long
Glen Pickens

Student Affairs:

Robert Acheson, Chairman
Ralph Douglass
Richard Holmes
Robert Kempes
James Marshall
Robert Meneilly
Donald Winbigler

Development:

McClean Work, Chairman
Paul Barnes
Richard Braun
James Lexvold
Ralph Liddle
Kenneth Sturtevant

Executive Policy Committee

Robert W. Gibson, Roger J. Fritz, Robert Acheson, John Bailar, Dwight Eckerman, John Service, Donald Whiteman, McClean Work.

Scholarships, Prizes, and Endowments

ENDOWED SCHOLARSHIPS

1. The Addleman Scholarship
2. The Dr. and Mrs. J. A. Barnes Scholarship
3. The Sarah Holmes Bigger Scholarship
4. The Biggsville Scholarship
5. The Bohart Scholarship
6. The N. H. and Isabelle Brown Scholarship
7. The George H. Brush Scholarship
8. The J. Boyd Campbell Scholarships
9. Special Anniversary Scholarship, Mrs. Jennie Logue Campbell
10. The Hattie Boyd Campbell Scholarship
11. The Josephine Carnahan Scholarship
12. The John Carothers Scholarships
13. The Class of 1901 Scholarship
14. The Crimson Masque Scholarship
15. The C. G. Denison-William M. Story Scholarship
16. The John S. and Mary Louise Diffenbaugh Scholarship
17. The Lois Diffenbaugh Scholarship
18. The Thomas McBride Bysart Scholarship
19. The Elder Ministerial and Christian Work Scholarship
20. The Bella B. Elliott Scholarship
21. The Elmira Scholarship
22. The John Q. Findley Scholarship
23. The First Washington Scholarship
24. The Founders Scholarship
25. The Frew Scholarships
26. The John Bunyan Galloway Scholarship
27. The Garrity Scholarship
28. The Gibson Scholarship
29. Special Anniversary Scholarship, Professor Russell Graham
30. The Ellen Denman Green and John Walker Green Scholarship
31. The John Charles Hanna Scholarship
32. The Hanover Scholarship
33. The Harmony Memorial Scholarship
34. The Nettie Firoved Herdman Scholarship
35. The Janet Shaw Hayes Scholarship
36. The Mabel Hinmann Scholarship
37. The Hume Scholarship
38. The Andrew Johnston Scholarship

39. The Johnston Scholarship
40. The Elizabeth M. Keller Scholarship
41. The Emma Brownlee Kilgore Scholarship
42. The Mrs. Mary Elizabeth Kilpatrick Scholarship
43. The Jane Kinkaid Scholarship
44. The Mattie Kinkaid Scholarship
45. The John Barnes Kritzer Scholarship
46. The Lafferty Scholarships
47. The Margaret Lord Music Scholarship
48. The Olive J. Lowry Scholarship
49. The M. M. Maynard Memorial Scholarship
50. The Kathryn Arbella McCaughan Scholarship
51. The Mary Cooke McConnell Memorial Scholarship
52. The Homer McKay Scholarship
53. Special Anniversary Scholarship, Mrs. Minnie McDill McMichael
54. The Nash Scholarships
55. The Mildred Steele Nearing Scholarships
56. The Norwood Scholarship
57. The LaVerne Noyes Scholarship
58. The Adam Oliver Scholarship
59. The Robert Y. Park Scholarship
60. The Luella Olive Parshall Scholarship
61. The Margaret Pollack Scholarship
62. The Margaret White Potter Memorial Scholarship
63. The Prugh Scholarship
64. The Luther Emerson Robinson Scholarship
65. The Prudence Margaret Schenk Scholarship
66. The Marion B. Sexton Scholarship
67. The Shields Scholarships
68. The Smith Hamill Scholarship
69. The Somonauk Scholarship
70. The Spring Hill Scholarship
71. The St. Clair Scholarship
72. The Stronghurst Scholarship
73. The Nannie J. J. Taylor Scholarship
74. The J. B. Taylor Scholarship
75. The Esther M. Thompson Scholarship Fund
76. The Martha Thompson Scholarships
77. The Henry A. Todd Scholarship
78. The J. L. Van Gundy Scholarship
79. The Adaline Wilkin Waddell Scholarship
80. The Martha Wallace Scholarship
81. The J. F. Watson Scholarship
82. The White Scholarship
83. The Eli B. and Harriet B. Williams Fund
84. The Woods Scholarships

85. The Margaret N. Wordon Scholarship
86. The Margaret N. Wordon Scholarship
87. The John Wright Scholarship
88. The Xenia Scholarship

MONMOUTH COMMUNITY AWARDS

Axline Drug Stores Award
Exchange Club Award
Ford Hopkins Award
Formfit Award
Jessie McMillan Whiteman Award
Little York Award
Lions Club Award
Monmouth Savings and Loan Association Award
Monmouth Trust and Savings Award
National Bank of Monmouth Award
Park 'N Eat Restaurant Award
Turnbull Award
Wirtz Book Company Award

SPECIAL SCHOLARSHIPS

The Women's General Missionary Society of the United Presbyterian Church Scholarship
The Synodical Scholarships
The McCullough Scholarship
The "M" Club Scholarship
The Graduate "M" Club Scholarship
The Peg Stonerook Brinker Scholarship
The Moore Scholarship
The Robert Ludwigsen Memorial Award

PRIZES AND AWARDS

Among the awards offered each year for excellence in various lines of activity are the following:

The Waid Prizes. Six prizes are offered for biographical reading as a means of cultivating interest in biography among college students. Three prizes of $25.00, $15.00 and $10.00 are offered to freshmen. Three similar prizes are available to members of the three upper classes. These prizes were endowed by Dan Everett Waid '87.

Forensic Emblem. This medal is presented by the College and the Forensic League to those who have represented the college in intercollegiate debate or oratory.

Mary Porter Phelps Prize. A prize of $50.00 is awarded each year to the student who, in the judgment of the faculty, has manifested superiority in three points: scholarship, thrift and economy, and the development of character. Only those who have completed at least two years' work in Monmouth College are eligible for this prize.

The William B. McKinley Prizes in English. In 1925 Senator William B. McKinley of Illinois, endowed two prizes of $50.00 each to encourage individual study and research in advanced work in English. The prizes are awarded each year to students who offer the best theses upon specially designed subjects.

Sigma Tau Delta Freshman Prizes. Rho Alpha Chapter of Sigma Tau Delta offers each year three prizes on Commencement Day to the freshmen writing the best compositions in verse or prose. Entries must be prepared especially for this contest.

Dan Everett and Eva Clark Waid Prize. This prize of $100.00 is endowed by Mr. and Mrs. Waid of New York, and is awarded by the faculty on the basis of all-around excellence and development.

The Blair Award, provided by Dr. and Mrs. Charles P. Blair, for a student who is interested in the field of Latin.

The Bernice L. Fox Latin Prize. This $200.00 annual award, given by an anonymous donor, is made to a Latin student "whose progress is worthy of recognition." Miss Fox, associate professor of classical languages, will select recipients of the award.

LIBRARY ENDOWMENTS

1. The John A. and Margaret J. Elliott Library of Religious Education.
2. The John Lawrence Teare Memorial Library Fund
3. The Kappa Kappa Gamma Memorial Fund.

BUSINESS OFFICE ENDOWMENTS

The Addleman Fund.

ENDOWED PROFESSORSHIPS

1. Pressly Professorship of Natural Science, endowed by W. P. Pressly of Illinois in 1886.
2. Alumni Professorship of Philosophy, endowed by alumni of the college in 1881.
3. John Young Chair of Bible, endowed by the United Presbyterian Board of Education.

KILLOUGH LECTURE FUND

Endowed by the Hon. W. W. Stetson of Auburn, Maine, to bring speakers to the college campus.

MEMORIAL FUNDS

Current memorial funds honoring former students and faculty-members include those for John Acheson, Dr. Hugh R. Beveridge, Harold Blair, Dean J. S. Cleland, Eleanor Gaddis Davidson, Donald Ralph Douglass, Mrs. E. A. Fetherstone, A. Y. Graham, Susan Harr, Paul Lohner, Robert Ludwigson, Clyde E. Matson, Marie Meloy, David Brainerd Moore, Dr. C. A. Owen, Richard V. Owen, M.D., Edna Browning Riggs, Henry Smith, Dr. Hugh B. Speer, T. Eleanor Wright. Others are the Ahlenius, Leonard, Matchett and Soule memorial funds.

Commencement Honors and Degrees Conferred

June 6, 1960

HONORARY DEGREES

Doctor of Divinity

The Rev. Dan Gold Long, A.B., B.D., Rock Island, Illinois
The Rev. John M. Wilson, '27, A.B., B.D., Columbus, Ohio

Doctor of Science

W. Malcolm Reid, '32, M.S., Ph.D., Athens, Georgia

Doctor of Pedagogy

Eugene Youngert, A.B., M.A., Ph.D., Melbourne Beach, Florida

GRADUATING CLASS

Bachelor of Arts — Honors Magna Cum Laude

Karen Louise Hutchison
Anita Louise Slebos
Robert Emanuel Gamer

Honors Cum Laude

Momoko Doi
Charles Leo Rassieur
Carolyn Jean Davis
Barbara Ann Divinsky
Judith Ann Stafford
David B. McConnell
Judith Lind Reinsberg
Jean Ellsworth Gantner

Bachelor of Arts

Nancy Eva Acheson
Bruce Adrian Anderson
Richard Lee Anderson
Lewis Beal Arnold
Roberta Christine Baer
Janette Sommers Bain
Patricia Ann Baird
Rebecca Comstock Barr
Charles Gilbert Bell
David Paul Bergstrom
Janet Jean Bourne
David Allan Bowers
John Samuel Brewer
Fred Leroy Brundage
Susan Elizabeth Buck
Dennis Charles Buda
Mary Jane Bullard
Sally Diane Charvat
Thomas Gordon Cheetham
Nancy Georgetta Classon

Helen V. Connors
Gretchen Marie Cook
Robert Lee Cooper
Glenna Jean Craig
Zoltan Csavas
Donn Homer Denniston
George Dwight Dieckman
Dale Jonathan Doan
Arlene Mary Dresmal
Mary Sue Ensminger
Robert William Foens
Frederick Harold Frantz
Thomas Blair Frazier
Jeanne Althea Gittings
Jack James Glotfelty
Dean Arthur Graves
Ralph B. Griffith
Ruth Melinda Hall
Milford Scott Hansen
Willard Linus Harlan
Donald Raymond Hellison
William Irving Herriott
Charles Conrad Hild
Marvin Eugene Hottel
Lawrence Raymond Huber
Won Moo Hurh
Judith Louise Irelan
George William Johnson
Samuel Clark Jones
Janet Cleghorn Kelley
Carol Yvonne Kemmerer
Lawrence Lee Kuhn
Judith Virginia Lamb
Audrey Diane Larson
Nancy Carolyn Lee
Richard Arthur Lefort
Charles Edward Link
Peter Raleigh Lipe
Paul L. Lohner
Janet Faith Long
Carol Ann Macari
John Peter MacIver
Leon Stanbridge Martin, Jr.
William Thornhill McBride
William Warren McKelvey
Jean Anne McRae
Janet Kay Miller
Raymond Lee Miller
Carol Ann Bryden Moore
Louise E. Mount
Kenneth Dale Mueller
Bruce Donald Nehmer
Floyd Kenneth Nelson
James Warren Nelson
John Arthur Nunnikhoven
Ronald James O'Brien
Kathryn Frances Oliver
Kenneth Wyverne Painter
John Melvin Penney
Marilyn Jean Painter Peters
Alvin Thurston Peterson
Walter Hermann Pfaeffle
Robert George Reinsberg
Galen Arthur Renwick
William Duane Rhodenbaugh
Ralph Lee Riggs
Alice Margaret Robbins
John Henry Sand
Warren Allen Sanders
Donald David Sands
Richard Warren Sauerman
Joan Barbara Schilthuis
Henry John Schmidt
Martha L. Mitchell Schmidt
Barbara Sue Sears
Adin Earl Slaughter
George Russell Slaughter
Maureen Clare Smiley
Gail Urvie Nissen Smith
Margaret Elizabeth Smith
Mary Ann Smith
Roger Enos Smith
Floyd Porter Sours
Allan Graham Sprout
Jack Bogue Stankrauff
Joseph Edward Suffield
Karen Sundberg
Susan Elizabeth Thompson
Ann Therese Toal
Janice Anne Tueckes
Nancy Jeanne Van Natta
John Henry Wagenknecht
Raymond Willard Walters
Edward Carl Wentland
Richard Platt Wherry
Patricia Ann White
Gary Dean Willhardt
Gary L. Willman
Donald Frederick Wirth
Eldridge T. Yogi

	MEN	WOMEN	TOTAL
Number of Bachelor's degrees conferred	78	53	131
Bachelor's Degrees conferred to date	2673	2303	4976

Candidates for Honors and Degrees

June 5, 1961

Bachelor of Arts

Bonzelle Berenice Ahlenius
Max Eugene Akerman
Warren John Allen
Amy Frances Amsbury
Gerner Anderson
Paul Hilding Arnstrom
Scott Atherton
Joseph A. Babinsky
Carol Charlene Baldwin
Robert Tryon Berendt
Harry Ray Billups
Richard Lowell Bivens
Lila Ellen Keleher Blum
Roger Allen Boekenhauer
Thomas William Bollman
Carl Anders Borine
Margaret Claire Bozarth
Donald Drake Brannan
Glenn Arnold Brooks
Mary Love Brown
Paul Lewis Brown
Janet Davidson Brownlee
Neal Robert Bullington
C. Marvin Burke
James Reid Calhoun
Thomas Martin Calhoun
Alan Malcolm Campbell
Terry Eugene Carrell
Donald Wayne Chamberlin
Barbara Sue Clark
Egbert Edward Clark, Jr.
Richard Hale Coe
Barbara Jean Coleman
Janet Elizabeth Connelly
Joan Carole Conner
David Robert Couch
Kenneth Arthur Cox
Richard William Crockett
Barbara Jane Ditch
Karen Louise Domer
Richard Alden Dorn
Rosalie Faye Easdale
Darrell Willis Edson
Robert Eugene Effland
Paul Robert Ellefsen
Donald Elliott
Robert Hicks Feiertag
Thomas Harold Feiertag
Don Eugene Filbrun
Robert L. Fleming
Paul Stevenson Ford
Elaine Laurie Gately
James Lyle Gibson
Robert Ross Gillogly
Carl William Goff
Lesley Glennis Griffin
Pamela Jeanne Grimm
David Allen Grummitt
Ancil Robert Guilinger
Claire Raymond Hagg
Wilbert Eugene Hare, Jr.
Anne Eckley Haynes
Gloria Ann Heaton
Jane Elizabeth Hill
James Charles Hornaday
Dennis Lee Hoy
James Bruce Hughbanks
Susan Dorothy Hunt
Ronald S. Ihrig
Gary Lane Johnson
Robert Dennis Jornlin
Jean Oesterle Kelly
Ronald Lee Kenney
Linda Lee Killey
Gaylan Whitley King
James Robert Klusendorf
Robert Dean Kniss
John Edson Kofoed
Lance James Kohn
Doris Eileen Kuehn
Dennis John Lachel
Charles Raymond Landstrom
Gary Lee Larson
Timothy G. Lee
David Wesley Levine
Oriville Dale Liesman
Vira Lukasz
Ronald Theodore Lundal
Judith Ann MacLean
Mary Jayne Rezner Manlove
Mary Margaret Mason
Shirley Katharine Matchett

Susan Ann Mathews
Thomas Fisher Matthews
Frederic Harry McDavitt
Ellin McDougall
Lynn Annette McGaan
Lynn Orwig McKeown
Clair Franklin McRoberts, Jr.
Gilbert Kent Meloy
William Ward Merry
Ronald Ralph Milnes
Richard Wesley Montgomery
Paul Kenneth Moye
Allen Stado Munneke
Kendall Edward Munson
Naomoto Nabeshima
Beverly Jean Nelson
Ronald Edwin Noton
Lynwood Terry Oggel
Lucille Schelling Owen
Gerald Anthony Parsons
Robert Floyd Patterson, Jr.
Loretta Jane Pawley
Linda Sue Perrine
Elizabeth A. Petefish
Homer Eugene Phillips
John William Phillips
Charles Glen Pogue
Nelson Thomas Potter, Jr.
Suzanne Prescott
Louis Lester Pronga
Kenneth Allen Rager
John Wayne Reasner
Karin Luise Richter
Dennis O'Donnell Rineberg
Sarah Margaret Roehm
Henry Rogers, Jr.
Norma Sheets Rosenbalm
Carole Jean Rowland
David Harry Russell
Robert L. Singer
Debra Dorothy Sippel
Gladys Marie Slebos
Dwight Elza Smith
Linda Soliday
Charles George Stewart
Lynda Mae Stewart
Joyce M. Biddle Switzer
Sandor Laszlo Szatmari
Gilbert Kurt Tauck
Donald John Thompson
George William Thoresen
Richard Lee Tornquist
James Dean Van Horn, Jr.
Peter Dorian Vecchi
Carolyn Hull Wallem
Richard David Wallem
Paul Lawrence White
Stanley Allen Wilson
Janet Lee Wissmiller
Barbara Jean Woll
Christine E. Work
Larry Lealan Yeoman
Gordon Kay Young

Students for the Academic Year

SENIORS

1960-61

NAME	HOME ADDRESS
Ahlenius, Bonzelle Berenice	Bloomington, Illinois
Akerman, Max Eugene	Dixon, Illinois
Amsbury, Amy Frances	Bettendorf, Iowa
Anderson, Gerner	DeKalb, Illinois
Babinsky, Joseph Anthony	Kenmore, New York
Baldwin, Carol Charlene	Biggsville, Illinois
Berendt, Robert Tryon	Lombard, Illinois
Bivens, Richard Lowell	Carthage, Illinois
Boekenhauer, Roger Allen	Waterman, Illinois
Borine, Carl Anders	DeKalb, Illinois
Bozarth, Margaret Claire	Berwyn, Illinois
Brown, Paul Lewis	Paullins, Iowa
Chamberlin, Donald Wayne	Monmouth, Illinois
Clark, Barbara Sue	Des Plaines, Illinois
Connelly, Janet Elizabeth	Joliet, Illinois
Conner, Joan Carole	Galesburg, Illinois
Couch, David Robert	Redondo Beach, California
Ditch, Barbara Jane	Monmouth, Illinois
Domer, Karen Louise	LeClaire, Iowa
Easdale, Rosalie Faye	Coulterville, Illinois
Edson, Darrell Willis	Osco, Illinois
Feiertag, Robert Hicks	Marengo, Illinois
Filbrun, Don Eugene	Springfield, Illinois
Fleming, Robert Lawrence	Chicago, Illinois
Ford, Paul Stevenson	Monmouth, Illinois
Gately, Elaine Laurie	Chicago, Illinois
Gibson, James Lyle	Aledo, Illinois
Gillogly, Robert Ross	Savanna, Illinois
Griffin, Lesley Glennis	Port Washington, New York
Guilinger, Ancil Robert	Monmouth, Illinois
Hare, Wilbert Eugene, Jr.	Mendota, Illinois
Harr, Karen Allene	Rochelle, Illinois
Hill, Jane Elizabeth	Newton, Iowa
Hughbanks, James Bruce	Prairie City, Illinois
Hunt, Susan Dorothy	DeKalb, Illinois
Johnson, Gary Lane	Aledo, Illinois
Jornlin, Robert Dennis	Earlville, Illinois
Kelly, Jean Oesterle	University City, Missouri
Kenney, Ronald Lee	Viola, Illinois
Killey, Linda Lee	Monmouth, Illinois
Klusendorf, James Robert	LaGrange, Illinois

NAME	HOME ADDRESS
Kohn, Lance James	Kenmore, New York
Lachel, Dennis John	Tenafly, New Jersey
Landstrom, Charles Raymond	Ottawa, Illinois
Larson, Gary Lee	Fulton, Illinois
Levine, David Wesley	Monmouth, Illinois
Lundal, Ronald Theodore	Glenview, Illinois
Maclean, Judith Ann	St. Louis, Missouri
Manlove, Mary Jayne Rezner	Davenport, Iowa
Mason, Mary Margaret	Chicago, Illinois
Matchett, Shirley Katherine	Denver, Colorado
Mathews, Susan Ann	St. Louis, Missouri
McDougall, Ellin	Goshen, Indiana
McGaan, Lynn Annette	Altona, Illinois
McKeown, Lynn Orwig	Monmouth, Illinois
McRoberts, Clair Franklin, Jr.	Milan, Illinois
Meloy, Gilbert Kent	Earlville, Illinois
Merry, William Ward	Monmouth, Illinois
Milnes, Donald Ralph	Crete, Illinois
Moye, Paul Kenneth	Streator, Illinois
Munson, Kendall Edward	Monmouth, Illinois
Nabeshima, Naomato	Kanagawa-Ken, Japan
Nelson, Beverly Jean	Alexis, Illinois
Owen, Lucille Schelling	Monmouth, Illinois
Parsons, Gerald Anthony	Winnetka, Illinois
Perrine, Linda Sue	Bushnell, Illinois
Petefish, Elizabeth Ann	Virginia, Illinois
Pogue, Charles Glen	Media, Illinois
Prescott, Suzanne	Minneapolis, Minnesota
Reasner, John Wayne	Northfield, Illinois
Richter, Karin Luise	Park Ridge, Illinois
Roehm, Sarah Margaret	Eureka, Illinois
Rogers, Henry, Jr.	Marietta, Illinois
Rossen, Richard Bruce	Chicago, Illinois
Rowland, Carole Jean	Glen Ellyn, Illinois
Singer, Robert Louis	St. Louis, Missouri
Sippel, Debra Dorothy	Chicago, Illinois
Slebos, Gladys Marie	Chicago, Illinois
Soliday, Linda	River Forest, Illinois
Stewart, Charles George	Pekin, Illinois
Stohl, Gustive Samuel	Monmouth, Illinois
Switzer, Joyce Marie Biddle	Seaton, Illinois
Szatmari, Sandor Laszlo	Mako, Hungary
Thompson, Donald John	Oak Park, Illinois
Tornquist, Richard Lee	North Henderson, Illinois
Van Horn, James Dean, Jr.	Earlville, Illinois
Wallem, Carolyn Jane Hull	Hinsdale, Illinois
Wallem, Richard David	Ottawa, Illinois
White, Paul Lawrence	Galva, Illinois
Wissmiller, Janet Lee	Chicago, Illinois
Woll, Barbara Jean	Monmouth, Illinois
Work, Christine Ellen	Kirkwood, Illinois
Young, Gordon Kay	Ellisville, Illinois

JUNIORS

NAME	HOME ADDRESS
Aberlin, Fred Anthony	Grayslake, Illinois
Adam, Frank III	Clayton, Missouri
Allaman, John Robert	Monmouth, Illinois
Allen, Warren John	Morning Sun, Iowa
Amann, Paul Clarence	Kenmore, New York
Anderson, Carol Ann	Prairie Village, Kansas
Anderson, Florence Ann	Buffalo, New York
Anderson, Neil Peter	Arlington Heights, Illinois
Ardell, Robert James	Marengo, Illinois
Armstrong, Marjorie Ann	Elizabeth, Illinois
Arnstrom, Paul Hilding	Monmouth, Illinois
Bain, Aubrey Edward, Jr.	Massapequa, New York
Batek, Noreen Camille	Park Ridge, Illinois
Best, Robert Lee	McKees Rocks, Pennsylvania
Billups, Harry Ray	Monmouth, Illinois
Bjorling, Helen	Altona, Illinois
Blum, Lila Ellen Keleher	Monmouth, Illinois
Bollman, Thomas William	Monmouth, Illinois
Brannan, Donald Drake	Monmouth, Illinois
Briggerman, Julia Ann	Peoria, Illinois
Brooks, Glenn Arnold	Monmouth, Illinois
Brown, Mary Jocelyn Love	Monmouth, Illinois
Brown, Sonja Dawn	Aledo, Illinois
Brownlee, Janet Davidson	Evans City, Pennsylvania
Bruington, William Elmer	Galesburg, Illinois
Buffo, Gail Jeanette	Des Plaines, Illinois
Calhoun, James Reid	Alexis, Illinois
Calhoun, Thomas Martin	Monmouth, Illinois
Campbell, Alan Malcolm	Turtle Creek, Pennsylvania
Candor, Larry Thomas	Cameron, Illinois
Carlson, Raymond Arthur	Media, Illinois
Carroll, George Deeks, Jr.	Orland Park, Illinois
Cave, Yolanda Ceballos	Mexico City, Mexico
Clark, Egbert Edward, Jr.	Galesburg, Illinois
Coleman, Barbara Jean	Elmhurst, Illinois
Cook, Karl Emerson	Monmouth, Illinois
Cox, Kenneth Arthur	Brookfield, Illinois
Craft, Betty Jean	Harvey, Illinois
Crockett, Richard William	Monmouth, Illinois
Davis, Carol Ann	Chicago, Illinois
Davis, Thomas Scott	Palatine, Illinois
DeForest, Richard Loren	Mokena, Illinois
DeGroot, William Lee	Wyoming, Illinois
Dorn, Richard Alden	St. Louis, Missouri
Downs, Sandra Scott	Evanston, Illinois
Effland, Robert Eugene	Stronghurst, Illinois
Ellefsen, Paul Robert	Chicago, Illinois
Elliott, Ardith Marie	Woodhull, Illinois
Elliott, Donald Lee	Monmouth, Illinois
Faust, Dennis Merritt	Moline, Illinois
Fink, Donna May	Des Plaines, Illinois
Fisher, Colleen Yvonne	Monmouth, Illinois

NAME	HOME ADDRESS
Flanagan, Stephen Ray	Berwick, Illinois
Foreman, Sandra Kay	Prairie Village, Kansas
Frazier, Tamara Wilson	Sturgis, Michigan
Galloway, Elizabeth Bonnie	Park Ridge, Illinois
Glenn, Nancy Ann	Elmwood, Illinois
Goff, Carl William	Little York, Illinois
Gould, George Gary	Elmhurst, Illinois
Greer, Jerry Leroy	Aledo, Illinois
Greer, Larry Lee	Aledo, Illinois
Grimm, Pamela Jeanne	Park Ridge, Illinois
Guilinger, Nancy Christine	Little York, Illinois
Hagg, Claire Raymond	Cambridge, Illinois
Hallenbeck, Jean Jeanette	Chicago, Illinois
Harriss, Richard Allen	San Mateo, California
Heath, Jerome Bruce	Crystal Lake, Illinois
Heath, Robert Alan	Lancaster, Ohio
Heaton, Gloria Ann	Toulon, Illinois
Henry, Patricia Jeanne	Hinsdale, Illinois
Herhold, Frank Frederick	Wilmette, Illinois
Hornaday, James Charles	Des Moines, Iowa
Hostettler, John Davison	Rochelle, Illinois
Hubbard, Willis McCracken	Monmouth, Illinois
Hunt, Edwin Preston	DeKalb, Illinois
Ihrig, Ronald Smith	Bay Village, Ohio
Jahn, William Francis	Grayslake, Illinois
Jones, David Willard	Normandy, Missouri
Jones, Richard Evan, Jr.	Oak Park, Illinois
Kempin, Paul Douglas	Kewanee, Illinois
Kinzer, Lloyd Wesley	Oak Park, Illinois
Kniss, Robert Dean	Monmouth, Illinois
Knox, Kenneth Howard	Libertyville, Illinois
Kofoed, John Edson	Earlville, Illinois
Kohn, Gerald Lee	Kenmore, New York
Kriegsman, John Martin	Pekin, Illinois
Kuehn, Doris Eileen	Smithfield, Illinois
Langley, Robert Lee	Springfield, Illinois
Larson, Roger LaVerne	Berwick, Illinois
Lee, Timothy Guy	Taipei, Formosa
Liesman, Orville Dale	Lincoln, Illinois
Lips, Judith Mary	Arlington Heights, Illinois
Loy, Phyllis Glendening	Galesburg, Illinois
Lukasz, Vira, A.	Portland, Oregon
Manning, Larry Glen	Galva, Illinois
Markle, Glenn Richard, Jr.	Gary, Indiana
Matthews, Thomas Fisher	Aurora, Illinois
McClinton, Patricia Lois	Park Ridge, Illinois
McDaniel, Harold Naylor	Cincinnati, Ohio
McDavitt, Frederic Harry	Glen Ellyn, Illinois
McMahon, Patricia Jo	Leawood, Kansas
McQueen, Rodney James	Esmond, Illinois
Mell, Jerold Ray	Kaneville, Illinois
Montgomery, Leslie David	Palatine, Illinois
Moore, Laurence John	Ft. Morgan, Colorado
Morris, James Olin	Murray, Nebraska
Morrison, William John, Jr.	Blue Island, Illinois

NAME	HOME ADDRESS
Munneke, Allen Stado	Monmouth, Illinois
Muntzel, Philip Alan	Prairie Village, Kansas
Nelson, Richard Earl	Aledo, Illinois
Nickel, Susan Patricia	Eureka, Illinois
Oggel, Lynwood Terry	Highland Park, Illinois
Olsson, Shirley Christine	Racine, Wisconsin
Orednick, Joseph Paul	Chicago, Illinois
Pannabecker, Daniel Nelson	Peoria, Illinois
Parker, Wayne Franklin	Monmouth, Illinois
Patterson, Robert Floyd, Jr.	Camden, Illinois
Pawley, Loretta Jane	Berwyn, Illinois
Pearson, Janet Carol	Arlington Heights, Illinois
Phillips, Homer Eugene	Oak Lawn, Illinois
Phillips, John William	Cambridge, Illinois
Pierce, Robert William, Jr.	Des Moines, Iowa
Potter, Nelson Thomas	Mt. Morris, Illinois
Pronga, Louis Lester	Ainsworth, Iowa
Pultz, Harry Lee	Markham, Illinois
Rager, Kenneth Allen	Peoria, Illinois
Raih, Ronald William	Monmouth, Illinois
Reed, Sally Ann	Monmouth, Illinois
Richmond, Barbara Anne	Blue Island, Illinois
Rineberg, Dennis O'Donnell	Quincy, Illinois
Roark, Susan O'Sean	Inglewood, California
Robb, Jane Elizabeth	Columbus, Ohio
Rosenbalm, Norma Jean	Monmouth, Illinois
Rothaus, Joan Doris	St. Louis, Missouri
Russell, David Harry	DeKalb, Illinois
Schneider, Melinda Grace	Hopkins, Minnesota
Smith, Oliver David	Monmouth, Illinois
Smith, Dwight Elza	Bushnell, Illinois
Smith, Stephen Shaffer	Riverside, Illinois
Spears, David Lewis	Marengo, Illinois
Stavenhagen, Bruce Terry	Monmouth, Illinois
Stevenson, Donald Loren	Burlington, Iowa
Stewart, Lynda Mae	Washington, Iowa
Strube, William Curtis	Jennings, Missouri
Tauck, Gilbert Kurt	Marengo, Illinois
Tenhaeff, Audrey Jean	Golden, Illinois
Thoresen, George William	Evanston, Illinois
Thornburg, Linda Nell	Monmouth, Illinois
Thorstenson, Donald Carl	Chicago, Illinois
Trotter, Thomas Henderson	Ainsworth, Iowa
Vecchi, Peter Dorian	Cicero, Illinois
Vessel, Richard Louis	Olympia Field, Illinois
Wackerle, Fred William	Chicago, Illinois
Waltz, Catherine Maria	Kewanee, Illinois
Weeks, Charles Thomas	Rochelle, Illinois
Welch, Guy Franklin	Aledo, Illinois
Wendling, Kenneth Lee	Evergreen Park, Illinois
Werner, Warren Bennett	Pekin, Illinois
Whipple, John William	Cedar Rapids, Iowa
Wilcoxen, Frank B.	Lewistown, Illinois
Williams, Larry James	Walnut, Illinois

NAME	HOME ADDRESS
Wilson, Stanley Allen	Table Grove, Illinois
Yeoman, Larry Lealan	Carman, Illinois
Young, Harry Arthur	Park Ridge, Illinois
Zury, Helene Morgan	Gary, Indiana

SOPHOMORES

Abrell, Carol Etta	LaGrange, Illinois
Ahrens, Margaret	Elmhurst, Illinois
Anderson, Daniel Roy	Des Moines, Iowa
Ansell, Linda Vicky	Glenview, Illinois
Armstrong, Robert Bruce	Rockford, Illinois
Arnold, David Lynn	Pontiac, Illinois
Askew, Richard Raddon	Summit, New Jersey
Barr, Robert Bruce	Monmouth, Illinois
Barton, Robert Myron	Rock Island, Illinois
Bates, David Raymond	Mount Morris, Illinois
Bingaman, Robert John	Peoria, Illinois
Blair, Donnalee	Fisher, Illinois
Boehmer, George Ernest	Sycamore, Illinois
Boughan, Robert Lyle	Canton, Illinois
Bowdish, Kenneth Eugene	Harvard, Illinois
Bradley, Robert Donald	Monmouth, Illinois
Bradshaw, Edis Dwain	Berwick, Illinois
Brady, Margaret Ann	Broadview, Illinois
Bridgford, Bonnie Marie	Aledo, Illinois
Brooke, Richard Burley	Marengo, Illinois
Bruning, Harvey Robert	Millburn, New Jersey
Buchanan, Anne Shirley	Clinton, Pennsylvania
Bullard, Donna Mae	Poplar Grove, Illinois
Bullington, Anita Carol	San Francisco, California
Burroughs, Richard Henry	Buffalo, New York
Cable, Ruth Ann	Eureka, Illinois
Campbell, David Wallace	Omaha, Nebraska
Chism, Stanley Earl	Newton, Iowa
Christiansen, Larry Arthur	Chicago, Illinois
Christie, Alexander Moorhead	Lake Forest, Illinois
Christman, Carol Ann	Alburtis, Pennsylvania
Chrysler, Marjorie Lynne	Oak Park, Illinois
Claassen, Betty Ann	Peoria, Illinois
Clark, Carol Virginia	Des Plaines, Illinois
Claycomb, Robert Arnold	Pekin, Illinois
Cleff, Virginia Charlotte	Oak Park, Illinois
Cochrane, Margaret Rose	Homewood, Illinois
Constant, Marc Duncan	Seaton, Illinois
Crissey, Kaye	Avon, Illinois
Crockett, Marilyn Kay Hansen	Elmwood Park, Illinois
Dawson, Eugene Richard	Berwyn, Illinois
Demas, Carl James	Oak Lawn, Illinois.
Dettman, Carol Nancy	Minneapolis, Minnesota
DeVett, Robert Lewis	New Berlin, Pennsylvania
Dietz, Michael Ira	Flushing, New York
Dove, Timothy Herbert	Collegeville, Pennsylvania
Dunk, William Martin	Mount Morris, Illinois
Egan, Roberta Louise	Galesburg, Illinois

NAME	HOME ADDRESS
Engel, Donald Martin	Wilmette, Illinois
Falkenhain, James Russell	Sparta, Illinois
Flanagan, John Robert	Berwick, Illinois
Flanagan, William Gabriel	Avon, Illinois
Foulk, James Wesley	Pennsville, New Jersey
Frautschy, Linda Joy	Sycamore, Illinois
Frost, Anaclare	Chicago, Illinois
Fulford, Howard Allyn	Peoria, Illinois
Gealey, Thomas McDowell	Butter, Pennsylvania
Gee, James William	Orland Park, Illinois
Gibb, Larry Dean	Rockford, Illinois
Gibson, James Eugene	Clarendon Hills, Illinois
Gillespie, Daryl Ann	St. Paul, Minnesota
Goetz, A. Richard	Peoria, Illinois
Goetzinger, Gail Rae	Goodfield, Illinois
Goodale, Frederick Warren, Jr.	Lakewood, Colorado
Graham, Keith Alan	Chicago, Illinois
Graue, Fred William, Jr.	St. Louis, Missouri
Gren, Joseph John, Jr.	Monmouth, Illinois
Grove, Jean Elizabeth	Pasadena, California
Hackett, James Kunkel	Kenmore, New York
Hadley, Judith Ann	Maywood, Illinois
Hahn, Walter Seymore, Jr.	Lake Geneva, Wisconsin
Hall, Grace Ann	Monmouth, Illinois
Hamburger, Jane Halley	St. Louis, Missouri
Hamilton, Robert Claude	Monmouth, Illinois
Hanzlik, Mary Arthur	Pitcairn, Pennsylvania
Happ, Michael Lee	Quincy, Illinois
Hartenberg, Elna Anne	Wilmette, Illinois
Hartley, Judith Annette	Washington, Illinois
Hattman, Charles Edward	Coraopolis, Pennsylvania
Hemphill, William Loehr	Clarinda, Iowa
Herron, Sarah Frances	Rocky River, Ohio
Hodges, Norman Scott	Oak Park, Illinois
Holcomb, Robert Edward	Sycamore, Illinois
Holland, William Gordon	Highland Park, Illinois
Hood, Janice Irene	Seaton, Illinois
Horne, Carolyn Nancy	Shawnee Mission, Kansas
Howard, Lucy Jane	Monmouth, Illinois
Huff, Nancy Lee	Merriam, Kansas
Huffman, Gary Evans	Loves Park, Illinois
Hunter, Mary Peat McMartin	Galesburg, Illinois
Hutton, Marilyn Gwen	Rockford, Illinois
Ikan, Ronald Emery	Waukegan, Illinois
Irey, Janet Kay	Monmouth, Illinois
Irvine, Sharon Louise	Elmhurst, Illinois
Irwin, Lucille Elizabeth	Richmond, Kentucky
Jaeger, Wesley Allen	Lindenwood, Illinois
Johnson, Martha Ann	Newton, Iowa
Johnson, Patricia Theresa	Oak Park, Illinois
Jones, Mary Jane	St. Louis, Missouri
Juhl, Russell Albert	San Pedro, California
Killey, Phillip George	Monmouth, Illinois
Knepper, Rita Joyce	St. Louis, Missouri
Kolconay, Rolfe Louis	Chicago, Illinois

NAME	HOME ADDRESS
Krell, Janet Kathleen	Park Forest, Illinois
Krueger, John Roger	Alpha, Illinois
Kutkat, James Henry	Peoria, Illinois
Lang, Gisela	Marburg/Lahn, Germany
Larocco, Allan Charles	Chicago, Illinois
Larson, Dennis Alfred	Palos Park, Illinois
Lauridsen, David John Walter	Chicago, Illinois
Law, Douglas Neil	Pontiac, Illinois
Lemon, John Rodney	Aledo, Illinois
Lindsey, Stuart Kent	Woodhull, Illinois
Link, Janet Catherine	Chicago, Illinois
Lohner, Virginia	LaGrange, Illinois
Lovett, Clyde Richard	Avon, Illinois
Lowry, Carol Ann	Shawnee Mission, Kansas
Loya, Karin Eileen	Monmouth, Illinois
Lunn, Olivia Francine	Lombard, Illinois
Lunsman, Janet Lillian	Arlington Heights, Illinois
Lyndrup, Lynette Carolyn	Clifton, Illinois
Mack, Ann Marie	Des Moines, Iowa
MacMaster, Daniel Miller	Flossmoor, Illinois
Mammen, Wayne Creston	Peoria, Illinois
Margetis, Peter	Peoria, Illinois
Marshall, Russell Frank	Niota, Illinois
Martel, Domicio Don	Moline, Illinois
Matthews, Anne Grace	Aurora, Illinois
McClure, Robert Harrison, Jr.	Pittsburgh, Pennsylvania
McCormick, Susan	Moline, Illinois
McFarland, Patricia Ann	Moline, Illinois
McLain, Kathryn Ann	Chicago, Illinois
McLaughlin, Robert William	Mendota, Illinois
McLoskey, Mary Alice	Monmouth, Illinois
Mell, Priscilla Seymour	Elburn, Illinois
Meredith, Connie Joan	Orland Park, Illinois
Millen, John Clyde	Dallas Center, Iowa
Miller, Nancy Jane	Arlington Heights, Illinois
Mitchell, Jon Phillip	Geneva, Illinois
Moberg, Gary Philip	Alexis, Illinois
Moran, Donald William	Monmouth, Illinois
Morse, Patricia Ann	Carlinville, Illinois
Mrkvicka, Donna Lee	Downers Grove, Illinois
Mueller, Margaret Ann	Chicago, Illinois
Munson, Courtney John	Little York, Illinois
Nelson, Karen Lynn	Chicago Heights, Illinois
Nichols, Margaret Louise	Burlington, Iowa
Nolen, Mary Ann	Stronghurst, Illinois
Oakley, Frank Raymond	Marengo, Illinois
Ottsen, Karen Louise	Cedar Rapids, Iowa
Park, Terry Ralph	Danville, Illinois
Patterson, Elizabeth Anne	Park Forest, Illinois
Patterson, Janet Kay	Monmouth, Illinois
Paulsen, Karli June	Barrington, Illinois
Peacock, Dale Martin	Altona, Illinois
Peacock, Paul Curtiss	Green Bay, Wisconsin
Pearre, James Alden	Pontiac, Illinois
Peek, Judith Lynne	Pontiac, Illinois

NAME	HOME ADDRESS
Petersen, David Roy	Chicago, Illinois
Phelps, Grace Gage	Milwaukee, Wisconsin
Phelps, Hugh McClure	Denver, Colorado
Pires, Jane Day	Dixon, Illinois
Polz, Laddie James	Cicero, Illinois
Poor, Linda Rae	Chicago, Illinois
Pratt, William Kimball	Joliet, Illinois
Probert, Sara Ann	Cedar Rapids, Iowa
Pronga, Melvin George	Ainsworth, Iowa
Raistrick, Philip Craig	Edelstein, Illinois
Rasmusen, Jean Elizabeth	DeKalb, Illinois
Reed, Susan Olive	Ramsey, New Jersey
Reid, Mary Catherine	Morning Sun, Iowa
Reid, Sarah Ann	Sparta, Illinois
Reinsberg, William Richard	Evanston, Illinois
Riddle, Lisbeth Ann	Eureka, Illinois
Robinson, Barbara Sue	Bushnell, Illinois
Roegge, Donald Lynn	Aledo, Illinois
Russell, Joellen	Princeton, Illinois
Russin, Alexis, Jr.	Endecott, New York
Schillinger, Jack Arthur	Viola, Illinois
Schmidt, Marilyn Francis	Homewood, Illinois
Schwieder, Charol Dee	Davenport, Iowa
Seago, James Leonard	Spring Valley, Illinois
Seatter, John Gordon	Riverside, Illinois
Service, Shirley Marie	Moline, Illinois
Sheese, Mary Alice	Park Ridge, Illinois
Shogren, Suzanne	Arlington Heights, Illinois
Sholes, John Morgan	Greensburg, Pennsylvania
Simpson, Hallie Philip	Mundelein, Illinois
Sindelar, James Alan	Brookfield, Illinois
Sluka, Judith Ann	Chicago, Illinois
Smith, Dee Ann	Stronghurst, Illinois
Smith, Peter Kenny	Riverside, Illinois
Smith, Sharon Aquilla	Monmouth, Illinois
Speer, Carol Jean	Hanover, Illinois
Sprague, Barbara Ruth	Newton, Iowa
Steinke, Duane Carl	Des Plaines, Illinois
Sternaman, Dorothy Mae	Chicago, Illinois
Stevens, James John	Chicago, Illinois
Stewart, Ann Harriet	Gladwyne, Pennsylvania
Strickler, Donald Arthur	Ingleside, Illinois
Suffredini, Peter John	Philadelphia, Pennsylvania
Sweeney, Charles Edward, Jr.	Haddonfield, New Jersey
Teal, Juanita Merle	Sandwich, Illinois
Temple, Jane Ruth	Evanston, Illinois
Torgerson, Richard Stone	Evanston, Illinois
Turner, Laura Oakey	Corning, Iowa
Turner, Robert Clayton	Oaklawn, Illinois
Veith, Carol Ann	Waukegan, Illinois
Walters, Suzanne Maryon	Villa Park, Illinois
Washburn, Steven Hoodless	Flossmoor, Illinois
Watson, Janice Mary	Waukesha, Wisconsin
Wilkinson, Terry Lee	Roseville, Illinois
Williams, Pearson Francis, Jr.	Palos Park, Illinois

NAME	HOME ADDRESS
Williams, Richard Sturges	Lewistown, New York
Wilson, Edna Rose	Fox Lake, Illinois
Winslade, William Joseph	Carlinville, Illinois
Wongstrom, David Virgeen	Monmouth, Illinois
Wood, Margaret Ellen	St. Louis, Missouri

FRESHMEN

*Abercrombie, Frank Norman	Champaign, Illinois
Acheson, David Reed	Western Springs, Illinois
Acheson, Reed Drexel	Cincinnati, Ohio
Adams, Charles Frederick	Grosse Pointe, Michigan
Adams, Richard Winston	Butler, Pennsylvania
Addleman, James Dale	Monmouth, Illinois
Aikenhead, Richard Bruce	Summit, New Jersey
*Alexander, John Arthur	Virden, Illinois
*Allen, Gail Sue	Harvey, Illinois
Allen, Kenneth James	Oregon, Illinois
Allison, Gerald Marsden	Stronghurst, Illinois
Altman, Steven Alvin	Norwalk, Connecticut
Antoniadis, Spiros	Denver, Colorado
Appell, Jerry Lee	Fairview, Illinois
*Armstrong, Mary Ellen	Chandlerville, Illinois
Atherton, Neil David	Milwaukee, Wisconsin
Austin, Brain Michael	Jerseyville, Illinois
Bagwell, James Albert	Skokie, Illinois
*Bailey, Mary Jean	Knoxville, Illinois
Baker, Robert Alvin	Knoxville, Illinois
Ballou, John David	Palos Park, Illinois
Bamer, Frank Craig	Park Forest, Illinois
Barclay, Robert Lee	Granite City, Illinois
Barrile, Vittorio	Pisa, Italy
Barron, Charles Gilbert	Monmouth, Illinois
Barron, Mina Elaine	Chicago, Illinois
Batten, Nancy Lee	Davenport, Iowa
Bauer, Marian Elizabeth	Haverton, Pennsylvania
*Baurer, Ronald Lee	Peoria, Illinois
Beisser, Carl Louis	Des Moines, Iowa
Bellatti, Mardell Alvan	Mt. Pulaski, Illinois
Bennett, June Ellen	Melvin, Illinois
Berry, Charles Dwight	Jackson Heights, New York
Beveridge, Reid Kyle	Williamsburg, Iowa
Blaich, Judith Gail	Manhasset, New York
Blair, Charles Chabot	Staunton, Virginia
Bollin, Harry Carl	Dallas City, Illinois
Bollow, Robert Leroy	Downers Grove, Illinois
Bolon, Barbara Kay	Monmouth, Illinois
Boothe, Russell Herbert	Evanston, Illinois
Boswell, William Edward	Dayton, Ohio
*Boyd, Austin Maurice	Woodburg, Connecticut
Brenneman, Kenneth Dirk	Riverside, Illinois
Bronner, Robert Freeman	Trenton, New Jersey
Brooks, Jerrie Louise	Urbana, Illinois
*Brotheridge, James William, Jr.	Rock Falls, Illinois

*Honors-at-Entrance Students

NAME	HOME ADDRESS
Brower, Jimmie Paul	Monmouth, Illinois
Brown, Harlow Douglas	Princeton, Illinois
Brown, Karen Ann	Springfield, Illinois
Buck, David Earle	Glendale, Missouri
Bull, Charles Eddy	Nescopeck, Pennsylvania
Burnham, John Hickey	Green Bay, Wisconsin
Buss, Kay Ellen	Freeport, Illinois
Butler, William LaBruce	Pittsburgh, Pennsylvania
Campbell, Robert Halsey III	Pittsburgh, Pennsylvania
Carius, Allan Paul	Moline, Illinois
Carr, Bernard Roger	Avon, Illinois
Carringer, Diana	Silver Spring, Maryland
Carroll, Elaine Nesbitt	Wheaton, Illinois
Cation, Ronald Gene	Williamsfield, Illinois
Caughron, James Willard	Falls Church, Virginia
Christenson, Carl William	Lakewood, Colorado
Cisco, Michel	Kewanee, Illinois
*Conard, Bruce Randolph	Ferguson, Missouri
Cotter, Philip William	Binghamton, New York
Courson, John Addison	Denver, Colorado
*Cowan, Jean Ann	Monmouth, Illinois
Coziahr, James Richard	Lynn Center, Illinois
Crabill, John William	Monmouth, Illinois
Crabtree, Mary Jane	Downers Grove, Illinois
Crum, Wayne Carl	Rushville, Illinois
Culver, Arthur Lynn	Peoria, Illinois
Cummings, Jan Garfield	Monmouth, Illinois
Curtis, Thomas Wayne	Bushnell, Illinois
Curtiss, Barbara Burkett	Biggsville, Illinois
*Danecke, Barbara Jean	Ingleside, Illinois
Danecke, Carol Anne	Long Lake, Illinois
Danner, David Lewis	Astoria, Illinois
Day, Allen Don	Rock Island, Illinois
Dear, Douglas Stewart, Jr.	Oceanport, New Jersey
deLong, Oscar Anderson	Upper Montclair, New Jersey
Denney, Donald Lee	Gibson City, Illinois
De Puy, George Nelson	Blairstown, New Jersey
Di Cerbo, Eugene Francis	Schenectady, New York
Dietrich, Nellie Diane	Leechburg, Pennsylvania
Dines, Charles Edward	Kewanee, Illinois
Divinsky, Louis Jean	Chicago, Illinois
Doyle, Thomas Barron	Freeport, Illinois
Dutton, David George	Sycamore, Illinois
Eckerle, Susan Jane	Tenafly, New Jersey
Eichin, Richard Paul	Western Springs, Illinois
Eisenhard, Eleanor Caroline	Alburtis, Pennsylvania
Eldridge, John Charles	Ottawa, Illinois
Ellerd, Christopher P.	Milwaukee, Wisconsin
*Ellis, Stephen White	Rochelle, Illinois
Enloe, James Richard	Galesburg, Illinois
*Epperson, Sandra Sue	Galesburg, Illinois
Erion, Frank David	Hinsdale, Illinois
Estes, Howard William	Prairie Village, Kansas
Falcigno, Anthony Steven, Jr.	White Plains, New York

*Honors-at-Entrance Students

NAME	HOME ADDRESS
Fanning, Stuart John	Melrose, Massachusetts
Farwell, Edward Parris	Northfield, Illinois
Felder, David Arthur, Jr.	Washington, District of Columbia
Finch, Robert Lyle	Glen Ellyn, Illinois
Fitton, Gail Ruth	Peoria, Illinois
Fowler, Karen Lynn	Northbrook, Illinois
Francis, Janalee	Gibson City, Illinois
Frantzen, Peter Chris	Wilmette, Illinois
Frehner, Katherine Louise	Highland Park, Illinois
French, Barbara Cottrell	Old Saybrook, Connecticut
Friberg, Faith Eljean	Riverdale, Illinois
Frink, Celia Catherine	Englewood, Colorado
Fritz, Marjorie Lee	Chappaqua, New York
Gardner, Charles Willard	McKees Rocks, Pennsylvania
Garretson, Nancy Lusk	Park Forest, Illinois
Garrett, Jack Henry	Peoria, Illinois
Gately, Harvey Allen	Chicago, Illinois
Gealey, Virginia Sarles	Butter, Pennsylvania
George, Raymond Louis, Jr.	Huntington, New York
Geser, Michael Joel	Ossining, New York
Gibson, Glenn Huntington	Oak Park, Illinois
Gibson, James Gilbert	Chicago, Illinois
Gibson, Susan Kay	Lombard, Illinois
*Giffen, Elizabeth Ann	Urbana, Ohio
*Goehring, Linda Shaw	Butler, Pennsylvania
Goode, Susan Jane	Kewanee, Illinois
Gotaas, Richard M.	Evanston, Illinois
Gould, Robert Frederick	Elmhurst, Illinois
Grams, William Clarence	Fox Lake, Illinois
Gray, Judith Celeste	Garden City, New York
*Greer, Joanne Evelyn	Aledo, Illinois
Gross, Terry Nielsen	Jacksonville, Illinois
Grove, Judson Theodore	Mt. Carroll, Illinois
Groves, Robert John	Quincy, Illinois
Gunning, Thomas Marion	Carlinville, Illinois
*Gustafson, Mary Ann	Aledo, Illinois
Haase, Ruth Ann	Harvey, Illinois
Halloran, Richard J. III	Decatur, Illinois
Hamilton, Valerie Ann	La Jolla, California
Hansen, Shardlow John	Galesburg, Illinois
Hanson, Clarence Russell	Little York, Illinois
Harner, Philip Lawrence	Xenia, Ohio
Harries, Larry Dean	Watseka, Illinois
Heimlich, Dale Rae	Williamsville, New York
Helmick, John Marion	Peoria, Illinois
Henderson, Margaret	Rochester, Minnesota
Hennessey, James Joseph	Lynnfield Center, Massachusetts
Henning, Janet Sue	Athens, Illinois
Hershberger, Alvin Earl	Kenmore, New York
Hey, Phillip Henry	Dixon, Illinois
Hinkle, Barbara Joan	Virden, Illinois
Hodgdon, Allan Cruikshank	Pittsburgh, Pennsylvania
Hogan, Perry Michael	Peoria, Illinois
Howe, Charles Frederic	Chicago, Illinois

*Honors-at-Entrance Students

NAME	HOME ADDRESS
Howell, Johanna Blanche	Ipava, Illinois
Howes, Jane Osborn	Monmouth, Illinois
Hunter, Stephen Blake	Leominster, Massachusetts
Husser, Connie Lynn	Colorado Springs, Colorado
Hutchison, James Andrew	Biggsville, Illinois
Jablonski, Bruce Francis	Riverside, Illinois
Jasper, Jacqueline Virginia	Joliet, Illinois
Jensen, Donald William	Oak Lawn, Illinois
Johnsen, Judith Kay	Niles, Illinois
Johnson, Gary Lee	Dahinda, Illinois
Johnson, James Robert	Orion, Illinois
*Johnson, Joan Karen Painter	Monmouth, Illinois
Johnson, Kay Marie	Monmouth, Illinois
Johnson, Wendell Allen	Monmouth, Illinois
Johnson, William Mahlen	West Falls, New York
Kacer, Kevin George	Crystal Lake, Illinois
Kahler, Roger Erwin	Morton, Illinois
Kane, Barbara Maria	Summit, New Jersey
Keener, Lawrence A.	Kirkwood, Illinois
*Keller, Suellen Nan	Monmouth, Illinois
Keller, William Walter III	Brooklyn, New York
Kelley, Howard Francis	Monmouth, Illinois
Kemmerer, Linda Joyce	Waterloo, Iowa
*Kernutt, Gillian Katherine	Rochester, New Jersey
*Kessinger, Marilyn Sue	Amboy, Illinois
Kilpatrick, John Pressly	Hanover, Illinois
Kimble, Jane Rae	Peoria, Illinois
Kirkpatrick, Mark	Rocky River, Ohio
Kissel, William George	Green Bay, Wisconsin
Krebs, Philip Lee	Moline, Illinois
Kriskowski, Martin Francis	Sayreville, New Jersey
*Larson, Gale William	Berwick, Illinois
Leader, Edwin Patterson, Jr.	Des Moines, Iowa
Leffler, Mary Elizabeth	Lake Bluff, Illinois
Liddle, Sandra	Fort Worth, Texas
Long, James William	Chicago, Illinois
Love, John Charles	Monmouth, Illinois
Lowe, Richard	Brooklyn, New York
Luce, Jane Ann	Dayton, Ohio
Mack, Stephen Charles	Chicago, Illinois
MacMorran, Marsha Katinka	La Grange, Illinois
Magzanian, Louisa Victoria	Little Falls, New Jersey
*Mahnic, Jeane Carole	La Salle, Illinois
Makela, Laurie Allan	Downers Grove, Illinois
Marti, Alan Everett	Park Ridge, Illinois
McAllister, Robert Ward	DeKalb, Illinois
McClanahan, Neal Kempton	Assiut, Egypt
McCollum, Barbara	Glen Ellyn, Illinois
McDonald, Georgean Elizabeth	Toledo, Ohio
McGrane, Winifred Ann	Far Rockaway, New York
McKelvey, James Morgan, Jr.	Gurdaspur, Punjab, India
McKelvie, Stanley Lewis	Quincy, Illinois
McKinley, James Frank	Fox Lake, Illinois
McMaster, Arthur John, Jr.	Chester, Pennsylvania

*Honors-at-Entrance Students

NAME	HOME ADDRESS
McTeague, William Thomas	Swampscott, Massachusetts
Mechling, Bruce Arthur	Joliet, Illinois
Menhall, Melissa Dalton	Edgerton, Wisconsin
Mervis, Ronald Francis	New York, New York
Mesenbrink, Joyce Carolyn	Libertyville, Illinois
Miguel, Marcella Joyce	Lincolnwood, Illinois
Mika, Lenore Patricia	Long Lake, Illinois
Milazzo, Kathleen Carroll	Arlington Heights, Illinois
Millar, James Dean	Rock Island, Illinois
Miller, Richard Philip	Earlville, Illinois
Miller, Wallace B.	Jamison, Pennsylvania
Mitchell, Eugene William	Chicago, Illinois
Moore, Betty Ruth	Chicago, Illinois
Moore, Don William	Streator, Illinois
Morgan, William Gerry	Xenia, Ohio
Morhaus, Jeffrey Alan	Malverne, New York
Morin, Ronald Henry	West Warwick, Rhode Island
Morris, George Nelson	Oquawka, Illinois
Munch, Karen Ruth	Davenport, Iowa
Murphy, James Arthur	Clarendon Hills, Illinois
Murphy, John Blaise	Danielson, Connecticut
Murray, James Rigney	Media, Pennsylvania
Neahr, Mary Ann	Sycamore, Illinois
*Neall, Mary Elizabeth	Wheaton, Illinois
New, Frederic Emil	North Caldwell, New Jersey
Niblock, Jane Marguerite	Homewood, Illinois
Nicholas, Elyssa E.	Oak Park, Illinois
Nichols, Robert B., Jr.	Kirkwood, Illinois
Nickel, Joan Margaret	Eureka, Illinois
Norgart, Jerry Mitchell	Monmouth, Illinois
Norton, John Arthur	Milwaukee, Wisconsin
Novak, Thomas Albert	Villa Park, Illinois
*Nungesser, Lois Marie	Highland, Illinois
Oakley, Dale	Peoria, Illinois
Olivant, James W.	Whitestone, New York
Ortman, William Herbert	Moline, Illinois
Ostrom, June Margaret	Mt. Prospect, Illinois
Panucci, Robert Joseph	Evanston, Illinois
Parker, Russell Carleton	Sea Cliff, New York
*Parmenter, Sally Joan	Milroy, Indiana
Paskins, Sarah Louise	Omaha, Nebraska
Pate, James Leonard	Monmouth, Illinois
Patterson, James Michael	Alpha, Illinois
Patterson, Robert Finley	Denver, Colorado
Perry, Jack David	Peoria Heights, Illinois
*Peterson, Donna Jean	Reynolds, Illinois
Peterson, Marshall Herbert	Morrison, Illinois
Petschke, James Paul	Downers Grove, Illinois
*Phillips, Jack Leroy	Monmouth, Illinois
Pooley, Lynn Elizabeth	Chicago, Illinois
Preucil, Kathryn Louise	Evanston, Illinois
*Prince, Edward Orin	Havana, Illinois
Pryzgoda, Alan Chester	Shenorock, New York
Pullen, Linda Lou	Monmouth, Illinois

*Honors-at-Entrance Students

NAME	HOME ADDRESS
Rainford, James Donald	Glen Ellyn, Illinois
Rangel-Casas, Alberto	Barranquilla, Colombia, S. A.
Rathgeb, Harold Dean, Jr.	Alton, Illinois
Reeder, Lawrence Ronald	Riverdale, Illinois
Remmert, Robert Fred	Chicago, Illinois
Reynolds, Meta Wilson	Birmingham, Michigan
Reynolds, Walter Robert	Mt. Prospect, Illinois
Rezner, Charles Thomas	Mt. Prospect, Illinois
*Rice, Darla Jean	Kankakee, Illinois
Rieckhoff, William Franklin	Evanston, Illinois
Robbins, Raymond Christopher	Jacksonville, Illinois
Romeo, Susan Lee	Rock Island, Illinois
Romine, William Crockett	Monmouth, Illinois
Ross, James A.	Monmouth, Illinois
Rummey, Fred Henry III	Oak Park, Illinois
Rumohr, Sharon Anne	Westmont, Illinois
Rutishauser, Paul William	Chicago, Illinois
Rydberg, Nancy Ellen	Arlington Heights, Illinois
Schacht, Roland John, Jr.	Racine, Wisconsin
Schaper, Fred Lamar	Aledo, Illinois
Schluter, Richard James	Moline, Illinois
*Schomas, Janet Sue Florence	Homewood, Illinois
Schrader, Jerry George	Oregon, Illinois
Schultz, Arthur George	Evergreen Park, Illinois
Sedwick, Dan DeWitt	Monmouth, Illinois
See, Gary Kent	Monmouth, Illinois
Siefken, Roger Allan	Morrison, Illinois
Simms, Dixie Lee	Abingdon, Illinois
Sked, Norman Philip	Lake Forest, Illinois
Skinner, Dixie Ann	Verona, Pennsylvania
Sloan, Mary Lee	Galva, Illinois
Smith, Dale Allan	La Grange Park, Illinois
Smith, Neal Leroy	Muscatine, Iowa
Smith, Richard Thomas	Monmouth, Illinois
Smithson, Charles Busby	Bloomington, Illinois
Snyder, Alan Kent	River Forest, Illinois
Sperry, Bruce C.	Bushnell, Illinois
*Sproston, Michael Eugene	Cedar Rapids, Iowa
*Spurgeon, Harold Albert	Avon, Illinois
*Stankrauff, Julie Ann	Mount Morris, Illinois
Stanley, Gregg Stuart	Cheshire, Connecticut
Stanton, Frederick Lewis	Larchmont, New York
Steinbrecher, Richard Trimble	Wilmette, Illinois
Stetson, Gail Virginia	Falls Church, Virginia
Stewart, Barbara Jean	Bloomington, Minnesota
Stewart, Constance Wylie	New York City, New York
Stilwell, Louis Bruce	Centerport, Long Island, New York
Strand, Joan Evelyn	Elmhurst, Illinois
Stris, Peter K.	Brooklyn, New York
Stuckey, Edward Lee	St. Louis, Missouri
Sutherland, Gary Edward	Dayton, Ohio
Sutherland, Richard Allen	Dayton, Ohio
Sutinis, Bernard Anthony	Waukegan, Illinois
Swanson, Eugene Carl	River Forest, Illinois

*Honors-at-Entrance Students

NAME	HOME ADDRESS
Swarthout, Sharon Lee	Arlington Heights, Illinois
Sweet, John Douglas	Carlinville, Illinois
Symanski, Paul Otto	Fox Lake, Illinois
*Taylor, Judith Ann	Kirkwood, Illinois
Taylor, William Robson	Ottawa, Illinois
Tench, Barbara Elaine	West Hartford, Connecticut
Thede, James Beckman	Iowa City, Iowa
Thomas, Linda Sue	Heyworth, Illinois
*Thornhill, Sara Eleanor	Charleston, West Virginia
Tomicek, Martha Lynn	Chicago, Illinois
*Tomlin, Robert Mac	Galesburg, Illinois
Traylor, Donald Ray	Hammond, Indiana
Trendler, Robert Wayne	Skokie, Illinois
Turner, Charlotte Ruth	Normal, Illinois
Ulmet, Thomas Lewis	Highland, Illinois
*Unsicker, Carl Lester	Morton, Illinois
Van Cura, Joseph Emil	Riverside, Illinois
Vipond, Mary Kay	Lexington, Illinois
Wagler, Sharon Kay	Little York, Illinois
Wahl, Lewis William	Chicago, Illinois
Walker, Dennis Elwood	West Hartford, Connecticut
Walker, John Charles	Bloomington, Illinois
Walker, Hulburt Thayer	Portland, Maine
Wark, David Jonathan	Little Silver, New Jersey
*Warnock, Linda Lee	Alexis, Illinois
Watkins, David Charles	Pittsburgh, Pennsylvania
Watson, Luree Irene	Rolling Meadows, Illinois
Wellbrock, Kent William	Peoria, Illinois
Welsh, Deborah Elizabeth	Evanston, Illinois
Whalen, James Farrell	Springfield, Illinois
*Wherry, Stanley Ted	Aledo, Illinois
*Whiteman, Richard Wendell	Monmouth, Illinois
*Wiley, Julia Anne	Fox Lake, Illinois
Williams, Vicki Jo	Des Moines, Iowa
Wilson, Ronald LaVerne	Aliquippa, Pennsylvania
Wilson, Stephen Douglas	Galesburg, Illinois
Wischhusen, Richard John	Malverne, New York
Wise, Glenda Gene	Aledo, Illinois
Wolma, Kenneth Meade	Chicago, Illinois
Wood, Walter Wesley	Wilmette, Illinois
Work, Bruce Van Syoc	Kirkwood, Illinois
Work, Lucina Mary	Homewood, Illinois
Worrell, John Peterson	Rock Island, Illinois
Wright, Gretchen Lelia	Jacksonville, Illinois
Wright, Sandra Jane	Wilbraham, Massachusetts
Yeranian, Ronald George	New York, New York
Yez, David John	Millers Falls, Massachusetts
Yujuico, John Ronald	Huntington, New York

*Honors-at-Entrance Students

Summary of Enrollment

1960-1961

	MEN	WOMEN	TOTAL
Seniors	53	40	93
Juniors	114	51	165
Sophomores	111	107	218
Freshmen	243	122	365
Specials	7	30	37
Total	528	350	878
Summer Session 1960	56	77	133
Music Students	35	72	107
Total	619	499	1118
Duplicates	54	86	140
Net Total	565	413	978

Geographical Enumeration of the College

		1959-1960	1960-1961
1.	California	7	7
2.	Colorado	6	10
3.	Connecticut	2	7
4.	Colombia, S. A.	0	1
5.	District of Columbia	1	1
6.	Egypt	0	1
7.	Formosa	1	1
8.	Germany	1	1
9.	Hawaii	1	0
10.	Hungary	2	1
11.	Illinois	582	637
12.	India	0	1
13.	Indiana	6	5
14.	Iowa	40	37
15.	Italy	0	1
16.	Japan	2	1
17.	Kansas	9	9
18.	Kentucky	1	1
19.	Korea	1	0
20.	Maine	0	1
21.	Massachusetts	2	7
22.	Maryland	0	1
23.	Mexico	0	1
24.	Michigan	3	3
25.	Minnesota	6	6
26.	Missouri	21	18
27.	Nebraska	3	3
28.	New Jersey	3	16
29.	New York	9	39
30.	Ohio	8	14
31.	Oregon	2	1
32.	Pennsylvania	16	29
33.	Rhode Island	0	1
34.	Sweden	1	0
35.	Texas	0	1
36.	Virginia	0	2
37.	West Virginia	0	1
38.	Wisconsin	6	12
	Total	741	878

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MONMOUTH·ILLINOIS